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ANNUAL CALENDAR

OF

# McGILL COLLEGE

AND

# UNIVERSITY,

MONTREAL.



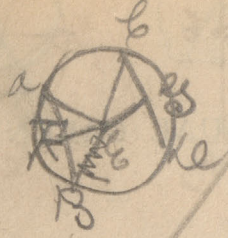

FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821, AND RE-ORGANIZED BY AN
AMENDED CHARTER IN 1852.

## SESSION 1889-90.

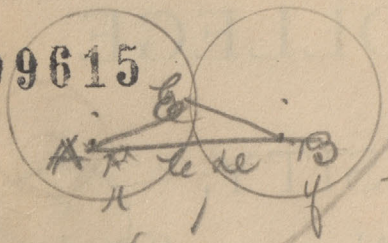
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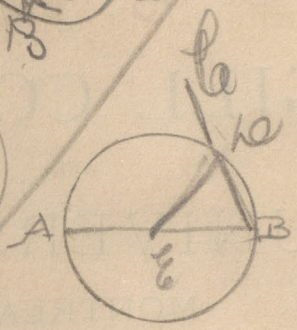
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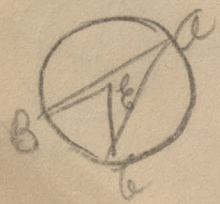


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-19-

The *Examination Papers* of the Session 1888-89 are published separately, and may be purchased of the Secretary, or through booksellers.







# Governing Body of the University.

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(The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University, which has the power, under the Statutes, to frame regulations touching the Courses of Study, Matriculation, Graduation and other Educational matters; and to grant Degrees.)

---

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*Demonstrator of Pathology.* McGill College.

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*Lecturer in Chemistry, Medical Faculty.* McGill College.

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T. JOHNSON ALLOWAY, M.D., L.R.C.S., L.R.C.P. (Edinburgh).
*Instructor in Gynæcology.* 934 Dorchester Street.

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## DONALDA SPECIAL COURSE.

MISS HELEN S. GAIRDNER, Lady Superintendent. 47 Victoria Street.

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## LIBRARY.

MR. H. MOTT, *Library Assistant,* Library, McGill College.

# General Statement.

## SESSION OF 1889-90.

The Fifty-seventh Session of the University, being the Thirty-sixth under the amended Charter, will commence in the Autumn of 1889.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties, in McGill College, and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. McGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions, of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

THE DONALDA SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions and honours similar to those for men.

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions, of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

THE FACULTY OF LAW.—The complete course in Law extends over three Sessions, of six months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec.*—Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from REV. JOHN COOK, D.D., Principal.]

ST. FRANCIS COLLEGE, *Richmond.*—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from PRINCIPAL BANNISTER, B.A., Richmond, P.Q.]

## III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of Free Tuitions are granted by the Board of Governors to the Students of these Colleges, when matriculated in Arts.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal.* Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

## IV. McGILL NORMAL SCHOOL.

THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

## V. AFFILIATED HIGH SCHOOLS, ETC.

The Trafalgar Institute for the higher education of women, Simpson St., Montreal; Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St.; Principal, H. Aspinwall Howe, LL.D. The Girls' High School of Montreal, Metcalfe St.; Lady Principal, Mrs. H. H. Fuller. Prince of Wales College, Charlottetown, P.E.I.; Bishop's College School, Lennoxville; St. Francis College School; Misses Symmers and Smith's School, Montreal; Eliock School, Montreal; Girl's High School, St. John, N. B.; Clarenceville Academy; Coaticook Academy; Cowansville Academy; Dunham Academy; Gould Model School; Huntingdon Academy; Inverness Academy; Knowlton Academy; Lachute Academy; Quebec High School, Quebec Girl's High School; Shawville Academy; Sherbrooke Boys' Academy; Sherbrooke Girls' Academy; Stanstead Wesleyan College; St. Johns High School; Sutton Academy; Three Rivers Academy; Waterloo Academy; Waterville Academy.

# ACADEMICAL YEAR 1889-90.

## SEPTEMBER, 1889.

| | |
|---|---|
| 1 SUNDAY | |
| 2 Monday | Normal School opens. |
| 3 Tuesday | |
| 4 Wednesday | Meeting of Normal School |
| 5 Thursday | Committee. |
| 6 Friday | |
| 7 Saturday | |
| 8 SUNDAY | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | |
| 15 SUNDAY | |
| 16 Monday | Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. Meeting of Faculty of Law. |
| 17 Tuesday | Mat. and Sup. Ex'ns in Math's Exhib. & Scholarship Exam. |
| 18 Wednesday | Mat. & Sup. Ex'ns in English, Logic, Men. and Mor. Phil. Exhib. and Sch. Exm'ns. |
| 19 Thursday | Mat. & Sup. Ex'ns in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns. |
| 20 Friday | Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. Matric. Exam. in Medicine. |
| 21 Saturday | |
| 22 SUNDAY | |
| 23 Monday | Meeting of Faculty of Arts. |
| 24 Tuesday | |
| 25 Wednesday | Matric. Exam. in Law. |
| 26 Thursday | Summer Essays in Applied Sc. |
| 27 Friday | Meeting of Governors. Register Medical Faculty opens. |
| 28 Saturday | |
| 29 SUNDAY | Meeting of Faculty of Law. |
| 30 Monday | Meeting of Fac. of App. Sc. |

## OCTOBER, 1889.

| | |
|---|---|
| 1 Tuesday | Session of Medical and Law Faculties begins. |
| 2 Wednesday | Meeting Nor. Sch. Committee. |
| 3 Thursday | |
| 4 Friday | Meeting Faculty of Arts. |
| 5 Saturday | |
| 6 SUNDAY | |
| 7 Monday | Founder's Birthd'y. The Wm. |
| 8 Tuesday | Molson Hall opened, 1862. |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | |
| 13 SUNDAY | |
| 14 Monday | |
| 15 Tuesday | |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | Meeting of Faculty of Arts. |
| 19 Saturday | |
| 20 SUNDAY | |
| 21 Monday | Meeting of Museum Com. |
| 22 Tuesday | Meeting of Library Com. |
| 23 Wednesday | Regular Meeting of Corporation |
| 24 Thursday | Reps. Schol. & Exh. Ac. aud. |
| 25 Friday | |
| 26 Saturday | Meeting of Governors. |
| 27 SUNDAY | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | |
| 31 Thursday | |

## NOVEMBER, 1889.

| | |
|---|---|
| 1 Friday | Meeting of Faculty of Arts. |
| 2 Saturday | |
| 3 SUNDAY | |
| 4 Monday | |
| 5 Tuesday | Meeting of Fac. App. Science. |
| 6 Wednesday | Meeting Normal School Com. |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| 10 SUNDAY | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | |
| 15 Friday | Meeting of Faculty of Arts. |
| 16 Saturday | |
| 17 SUNDAY | |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | |
| 22 Friday | Meeting of Governors |
| 23 Saturday | |
| 24 SUNDAY | |
| 25 Monday | |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | Meeting of Faculty of Arts. |
| 30 Saturday | |

## DECEMBER, 1889.

| | |
|---|---|
| 1 SUNDAY. | |
| 2 Monday | |
| 3 Tuesday | Meeting of Faculty of App. Sc. |
| 4 Wednesday | Meeting of Nor. Sch. Comm. |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| 8 SUNDAY | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | Meeting of Fac. of Arts. Lectures in Arts and Ap. Sc. end. |
| 14 Saturday | Exam. Bot. Med. Studs. Examinations in Law. |
| 15 SUNDAY | |
| 16 Monday | Christmas Examinations begin. |
| 17 Tuesday | |
| 18 Wednesday | Examinations in Law. |
| 19 Thursday | Examinations in Law. [in Law. |
| 20 Friday | Meeting of Governors. Exams. |
| 21 Saturday | Christmas Vacation begins. Examinations in Law. |
| 22 SUNDAY | |
| 23 Monday | |
| 24 Tuesday | |
| 25 Wednesday | Christmas-Day. |
| 26 Thursday | |
| 27 Friday | |
| 28 Saturday | |
| 29 SUNDAY | |
| 30 Monday | |
| 31 Tuesday | |

## JANUARY, 1890.

| | |
|---|---|
| 1 Wednesday | |
| 2 Thursday | |
| 3 Friday | |
| 4 Saturday | Christmas Vacation ends. |
| **5 SUNDAY** | |
| 6 Monday | Lectures in Arts, Law, Med. & App. Sci. recommence, |
| 7 Tuesday | Meeting of Fac. of App. Sci. |
| 8 Wednesday | Meeting of Nor. Sc. Comm. |
| 9 Thursday | |
| 10 Friday | Meeting of Faculty of Arts. |
| 11 Saturday | |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | Meeting of Faculty of Arts. |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | Meeting of Museum Com. |
| 21 Tuesday | Meeting of Library Com. |
| 22 Wednesday | Regular Meet'g of Corporation. |
| 23 Thursday | Examiners appointed. Annual Report to Visitor. |
| 24 Friday | Meeting of Governors. |
| 25 Saturday | |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | |
| 30 Thursday | |
| 31 Friday | Theses for M.A.&LL.D. to be sent in to the Dean of Fac. of Arts. Meeting of Fac. of Arts. |

## FEBRUARY, 1890.

| | |
|---|---|
| 1 Saturday | Theses for Deg. of B.C.L. to be sent in to Dean of Fac. of Law Meeting of Examiners. |
| **2 SUNDAY** | |
| 3 Monday | |
| 4 Tuesday | Meeting of Fac. App. Science. |
| 5 Wednesday | Meeting of Nor. Sch. Comm. |
| 6 Thursday | |
| 7 Friday | |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | Meeting of Faculty of Arts. |
| 15 Saturday | Supplemental Exam's in Arts and Applied Science. |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | |
| 19 Wednesday | No Lectures. |
| 20 Thursday | |
| 21 Friday | Meeting of Governors. |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | |
| 25 Tuesday | Theses for Degree of B.C.L. to |
| 26 Wednesday | be sent in to Dean of Faculty. |
| 27 Thursday | |
| 28 Friday | Meeting of Faculty of Arts. |

## MARCH, 1890.

| | |
|---|---|
| 1 Saturday | Theses for degree of B.C.L to be sent in to Dean of Faculty. |
| **2 SUNDAY** | |
| 3 Monday | |
| 4 Tuesday | Meeting of Fac. of Ap. Science. |
| 5 Wednesday | Meeting of Nor. Sc. Com. |
| 6 Thursday | |
| 7 Friday | |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | Meeting of Fac. of Arts. |
| 15 Saturday | Examinations in Law, and Botany Med. Fac. |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | Meeting Fac. App. Sci. |
| 19 Wednesday | Lectures in Medicine end. |
| 20 Thursday | Exam's in Med. begin. |
| 21 Friday | Meeting of Fac. of Arts. Reports of Attendance on Lects. |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | |
| 25 Tuesday | |
| 26 Wednesday | |
| 27 Thursday | Lects. in Arts and Ap. Sc. end. |
| 28 Friday | Meeting of Governors. Matric. Exam. in Medicine. |
| 29 Saturday | |
| **30 SUNDAY** | |
| 31 Monday | |

## APRIL, 1890.

| | |
|---|---|
| 1 Tuesday | Meeting of Fac. of Ap. Science and Convocation for Degrees in Medicine. |
| 2 Wednesday | |
| 3 Thursday | |
| 4 Friday | Good Friday. Easter Vac. begins |
| 5 Saturday | |
| **6 SUNDAY** | Easter. |
| 7 Monday | |
| 8 Tuesday | Easter vacation ends. |
| 9 Wednesday | Meeting of Nor. Sc. Committee |
| 10 Thursday | |
| 11 Friday | Meeting of Fac. of Arts. |
| 12 Saturday | Exams. in Law begin. |
| **13 SUNDAY** | |
| 14 Monday | |
| 15 Tuesday | |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | Meeting of Museum Committee |
| 22 Tuesday | Meeting of Library Committee |
| 23 Wednesday | Regular meeting of Corporation. |
| 24 Thursday | Meeting of Examiners, & of Fac. Arts and Law. |
| 25 Friday | Meeting of Governors. |
| 26 Saturday | Declaration of result of Exam's. |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | Convocation for Degrees in Law and Applied Science. |
| 30 Wednesday | Convocation for Degrees in Arts. |

## MAY, 1890.

| | |
|---|---|
| 1 Thursday | Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin. |
| 2 Friday | |
| 3 Saturday | |
| **4 SUNDAY** | |
| 5 Monday | |
| 6 Tuesday | |
| 7 Wednesday | Meeting Nor. Sch. Committee. |
| 8 Thursday | |
| 9 Friday | |
| 10 Saturday | |
| **11 SUNDAY** | |
| 12 Monday | |
| 13 Tuesday | |
| 14 Wenesday | |
| 15 Thursday | |
| 16 Friday | |
| 17 Saturday | |
| **18 SUNDAY** | |
| 19 Monday | |
| 20 Tuesday | |
| 21 Wednesday | |
| 22 Thursday | |
| 23 Friday | Meeting of Governors. |
| 24 Saturday | Queen's Birthday. |
| **25 SUNDAY** | Whit-Sunday. |
| 26 Monday | |
| 27 Tuesday | |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | Normal Sch. closes for Summer Vacation. |
| 31 Saturday | |

## JUNE, 1890.

| | |
|---|---|
| **1 SUNDAY** | Trinity Sunday. |
| 2 Monday | Examinations for Matric. and Associate in Arts begin. |
| 3 Tuesday | |
| 4 Wednesday | Normal School Committee. |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | Declaration of results of School Examinations. |
| 21 Saturday | |
| **22 SUNDAY;** | |
| 23 Monday | Meetingof Museum Committee. |
| 24 Tuesday | Meeting of Library Committee. |
| 25 Wednesday | Regular Meeting of Corporat'n. Report of Normal School. |
| 26 Thursday | |
| 27 Friday | Meeting of Governors. |
| 28 Saturday | Summr. Sessn. Med. Fac. ends. |
| **29 SUNDAY** | |
| 30 Monday | |

## JULY, 1890.

| | |
|---|---|
| 1 Tuesday | |
| 2 Wednesday | |
| 3 Thursday | |
| 4 Friday | |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | |
| **13 SUNDAY** | |
| 14 Monday | |
| 15 Tuesday | |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | |
| 25 Friday | |
| 26 Saturday | |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | |
| 31 Thursday | |

## AUGUST, 1890.

| | |
|---|---|
| 1 Friday | |
| 2 Saturday | |
| **3 SUNDAY** | |
| 4 Monday | |
| 5 Tuesday | |
| 6 Wednesday | |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | |
| 15 Friday | |
| 16 Saturday | Peter Redpath Museum opened 1882. |
| **17 SUNDAY** | |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | |
| 22 Friday | |
| 23 Saturday | |
| **24 SUNDAY** | |
| 25 Monday | |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | |
| 30 Saturday | |

## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS, SEPTEMBER, 1889.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | HOURS. |
|---|---|---|---|---|---|
| Monday. | 16 | Greek. | Greek. | Greek. | 9 to 12 |
| " | 16 | Latin. | Latin. | Latin Prose Comp. | 2 to 5 |
| " | 16 | | | Mathematics. | 9 to 12 |
| Tuesday. | 17 | Mathematics. | Mathematics. | Latin. | 9 to 12 |
| " | 17 | | | Mathematics. | 9 to 12 |
| " | 17 | | | Botany. | 9 to 12 |
| " | 17 | Mathematics. | Mathematics. | Ancient History. | 2 to 5 |
| " | 17 | | | Botany. | 2 to 5 |
| Wednesday. | 18 | English. | English. | English. | 9 to 12 |
| " | 18 | | | Logic. | 9 to 12 |
| " | 18 | English. | | English. | 2 to 5 |
| " | 18 | | Chemistry. | Chemistry. | 2 to 5 |
| Thursday. | 19 | | | Mathematics. | 9 to 12 |
| " | 19 | | | Botany. | 9 to 12 |
| " | 19 | | French. | French. | 9 to 12 |
| " | 19 | Grammar and Comp. (Classics.) | General Paper.. (Classics.) | English Composition | 2 to 5 |
| Friday. | 20 | | Mathematics. | Mathematics. | 9 to 12 |
| | | | English. | | 2 to 5 |

*CHRISTMAS EXAMINATIONS, DECEMBER, 1889.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | FOURTH YEAR. |
|---|---|---|---|---|---|
| Monday. | 16 | Latin. | Latin. | Mechanics. | Astronomy. |
| " | 16 | | M'matics, P.M. | | |
| Tuesday. | 17 | Greek. | Botany. | Greek. | Greek. |
| " | 17 | 2- [illegible] | German, P.M. | Botany, P.M. | Latin, P.M. |
| Wednesday. | 18 | Mathematics. | Psychology. | Zoology, P.M. | Moral Philosophy |
| " | 18 | French, P.M. | French, P.M. | Latin | Geology. |
| Thursday. | 19 | Chemistry, | Greek. | | |
| " | 19 | German, P.M. | German, P.M. | | |
| " | 19 | Hebrew, P.M. | Hebrew, P.M. | | |
| Friday. | 20 | English. | | Ment. Phil. | |

# Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors :— DAWSON.
JOHNSON.
CORNISH.
DAREY.
MURRAY.
HARRINGTON.
MOYSE.

Professors :—PENHALLOW.
COUSSIRAT.

Assistant Prof. :—EATON.

Lecturers :—CHANDLER.
LAFLEUR.
TOEWS.

Dean of the Faculty :—ALEXANDER JOHNSON, LL.D.

Honorary Librarian :—REV. GEORGE CORNISH, LL.D.

[CONTENTS.—*Matriculation*, &c., § I.; *Exhibitions*, &c., § II.; *Course of Study*, § III.; *Examinations, Degrees*, &c., § IV.; *Exemptions*, &c., § V. *Medals*, &c., § VI.; *Licensed Boarding Houses*, § VII.; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees*, &c., § XI.; *Courses of Lectures*, § XII.]

The next Session of this Faculty will begin on September 16th, 1889, and will extend to April 30th, 1890.

## §I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Matriculated or Occasional. Matriculated Students are those who have their names entered in the Matriculation Book; they are subdivided into Undergraduates and Partial Students; Non-matriculated are denominated Occasional Students. The conditions of admission for each, and for students of other Universities are given below.

## 1. UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B.A. Candidates for admission into the First Year as Undergraduates are required to pass the First Year Entrance Examination. The successful candidates are arranged as First Class, Second Class, and Passed. To the most deserving in the First Class the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year:—

(1) That held in the first week of June, at the same time as the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College; or, if at a distance, by sending in names of Deputy Examiners for approval, with a list of candidates on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 16th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures.

### First Year Entrance Examinations.

*(a). For Passing only.*

Examinations on June 1st in McGill College and local centres; on September 16th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall. Book I.; and Virgil, Æneid, Book I. lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic; Algebra, to Simple Equations (inclusive) Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar *including Analysis.* A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations an equivalent amount o other books or other authors in Latin and Greek than those named may be

accepted by the Examiners on application made through the Professor of Classics.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

*b*). *Higher examination–For First Class, Second Class, Passing, and Exhibitions.*

The Examination will be held on September 16th and following days in McGill College only. (For Exhibitions, see §II).

*Greek.*—Homer, Iliad, bk. IV.; Xenophon, Anabasis, bk. I.; Demosthenes, Philippics I. and II.

*Latin.*—Cicero, in Catilinam, Orat. I; Virgil, Æneid, Bk. I; Horace, Odes, Bk. III.

A paper on Greek and Latin Grammar.

*Text-books.*—Hadley's or Goodwin's Greek Grammar. Arnold's Greek Prose Composition, Exercises 1 to 25. Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV.: or Arnold's Latin Prose Composition by Bradley.

*Mathematics.*—Euclid, bks. I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

### Second Year Entrance Examination.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see §II.) held in September, or the Candidate may take the First Year Sessional Examinations held in April. There is besides,

*For Passing only,*

An Examination on Sept. 17th in McGill College only.

*In Classics.*—*Greek.*—Homer, Iliad, Book VI.; Xenophon, Anabasis, Book I.; Grammar and Prose Composition.

*Latin.*—Virgil, Æneid, Book VI.; Cicero, Orations against Catiline; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.]

*In Mathematics:—*

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations. (Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount, &c., Vulgar and Decimal Fractions, Square Root.

*In English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry.*—The Chemistry of the non-metallic Elements, and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but they are required to begin German, and to continue the study of it for two years. Candidates unable to pass in Chemistry are required to attend such of the lectures in the subject as are open to them, and to pass an examination at the end of the Second Year.]

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## 2. PARTIAL AND OCCASIONAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—Candidates for Matriculation as Partial Students, taking three or more courses of Lectures, will be examined in the subjects necessary thereto, as may from time to time be determined by the Faculty.

The subjects in which an examination is necessary are: Latin, Greek, Mathematics, English, French.—Candidates are required to appear at the ordinary entrance examinations announced above; but, on application to the Faculty, may, for sufficient cause, have a later day appointed.

OCCASIONAL STUDENTS.—Persons desirous of taking one or two courses of Lectures as Occasional Students may apply to the Dean for entry in his Register, and to the professor or the professors of the subjects of the lectures that they may be satisfied of their fitness, and may subsequently procure from the Secretary tickets for the Lectures.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the

production of Certificates, to a like standing in this University, after examination by the Faculty.

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### 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculties of Medicine or Applied Science in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavor to establish befitting relations.

Every matriculated student is required to sign in the Matriculation Book the following :—

DECLARATION.

"I hereby declare that I will faithfully observe the statutes, rules and ordi-
"nances of this University of McGill College to the best of my ability."

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### 4. DIRECTIONS TO CANDIDATES FOR ADMISSION.

Candidates are required :—

(*a*). To present themselves to the Dean, and fill up a form of application for admission. (§I.)

(*b*) To pass the required examinations (§I.). (Unless already passed.)

(*c*) To procure tickets from the Registrar (§XI.), and, if not Occasional Students, to sign the Matriculation Book.

(*d*) To present their tickets to the Dean. (§XI.)

(*e*) To provide themselves with the Academic dress. (§VIII.)

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## § II. SCHOLARSHIPS AND EXHIBITIONS.

GENERAL REGULATIONS.

1. A Scholarship is tenable for *two* years. An Exhibition for *one* year.

2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation ; and also to candidates who have obtained what the Faculty may deem equivalent standing in some other University, pro-

vided that application be made before the end of the Session preceding the Examination.

3. Scholarships are divided into two classes :—(1) *Science* Scholarships; (2) *Classical and Modern Language* Scholarships. The subjects of Examination for each are as follows:—

*Science Scholarships.*—Differential and Integral Calculus; Analytic Geometry; Plane and Spherical Trigonometry; Higher Algebra and Theory of Equations; Botany; Chemistry; Logic. (For subdivision see below.)

*Classical and Modern Language Scholarships.*—Greek; Latin; English Composition; English Language, Literature, and History; French.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation; and also to candidates for entrance into the Second Year.

The subjects of Examination are as follows:—

*First Year Exhibitions.*—Classics, Mathematics, English.

*Second Year Exhibitions.*—Classics, Mathematics, English Language and Literature, Chemistry and French.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

6. No student can hold more than one Exhibition or Scholarship at the same time; but four of the First Year Exhibitioners will be granted exemption from the Sessional fees throughout their College Course, under Presentation Scholarships from the Governor General. (See below).

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every session.

There are at present fifteen Scholarships and Exhibitions:—

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank Montreal :—value, $100 yearly, open to both men and women.

TEN MCDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal :—value, $125 each, yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects : —value, $120 yearly.

THE GEORGE HAGUE EXHIBITION, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics :—value, $125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills :—value, $100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature :— value, $100 to $120 yearly.

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## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1889.

*To Students entering the First Year, three Exhibitions of* $125, *and one of* $100.

The First Year Exhibitions will be awarded to the best answerers in the higher First Year Entrance Examination (See § I.), provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful candidates, answering in the following subjects will be taken into account also :—

1. A re-translation into Latin of an English version of some passage from one of the easier Latin Prose writers. For specimens see Smith's Principia Latina, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English :—An Examination upon one of Shakspere's plays. For 1889. —*As you Like it.*

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*To Students entering the Second Year, two Exhibitions of* $125, *and one of* $100.

*Subjects of Examination :—*

*Greek.*—Homer, Odyssey, bk. VI.; Herodotus, bk. III., Chaps. 1 to 67; Demosthenes, Olynthiacs I. and II.

*Latin.*—Virgil, Georgics, bk. I.; Horace, Odes, bk. I.; Livy, bk. XXII.

Greek and Latin Prose Composition.

A paper on Grammar and History.

*Text-books.*—Cox's General History of Greece. Merivale's General History of Rome. Goodwin's Greek Grammar. Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics.*—The Mathematics (Ordinary and Honour) of First Year.

*English Literature.*—Mason's Grammar. Shakspere, *As You Like it.* Trench, *Study of Words.*

*Chemistry.*—Roscoe's Lessons in Elementary Chemistry as far as p. 264.

*French.*—Darey, Principes de Grammaire française; Lafontaine, les Fables, livres I. and II.; Molière, le Bourgeois Gentilhomme.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfil this condition.

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*To Students entering the Third Year, Three Scholarships of* $125, *and one of* $120, *tenable for two Years.*

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows:—

1. *Mathematics.*—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 (omitting Chap. 8), with part of Chap. 14. Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equations (selected course).
   *Logic*, as in Jevons' Elementary Lessons on Logic.

2. *Natural Science.—Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the order of Phænogams, Pteridophytes and Bryophytes. *Chemistry* as in Roscoe's Lessons in Elementary Chemistry.

   *Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows:—

*Classics—Greek.*—Euripides, Medea; Demosthenes, the Olynthiacs; Xenophon, Hellenics, Book I.; Herodotus, Book VIII.; Thucydides, Book VI. *Latin.*—Horace, Satires, Book I., and Epistles, Book I.; Virgil, Georgics, Book I.; Terence, Adelphi; Tacitus, Annals, Book I.; Pliny, Select Letters (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition.

*History.—Text-books.*—Rawlinson's Manual of Ancient History; Smith's Student's Greece; Liddell's Rome.

*English Language and Literature.*—Spalding's English Literature (Chap. VI., Part III., to end of book); Shakspere, Tempest; Milton's Paradise Lost, books I. and II.; Trench, Study of Words.

*English Composition.*—(High marks will be given for this subject.)

*French.*—Racine, Britannicus; Molière, les Femmes savantes. French Grammar. Bonnefon, Les Ecrivains célèbres de la France. Translation from English into French.

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*Classical Subjects for Exhibitions, September, 1890.*

FIRST YEAR.—*Greek.*—Homer, Iliad, Bk. IV.; Xenophon, Anabasis, Bk. I.; Demosthenes, Philippics I. and II.

*Latin.*—Virgil, Æn., Bk. I.; Cicero, In Catilinam, Orat. II. Caesar, Bell. Gall. Bk. I.

SECOND YEAR.—*Greek.*—Homer, Odyssey, Bk. VII.; Demosthenes, Olynthiacs, I. and II.; Herodotus, Bk. III., chaps. 1-67.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Livy, Bk. XXIII.

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## EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLARSHIPS, &c.

A number of these are in the gift of Benefactors, and entitle the Students holding them to exemption from the Sessional Fees in the Faculty of Arts. Sixteen have been placed by the Governors at the disposal of His Excellency the Governor General. Candidates must pass the usual Matriculation Examination.

[By command of His Excellency, four of these Exemptions will be offered for competition in the First Year Exhibition Examinations of the ensuing session.]

Eight exemptions from fees may be granted by the Board of Governors, from time to time, to the most successful students who may present themselves as can-

didates. By order of the Board one of these is given annually to the *Dux* of the High School of Montreal, and one to the Dux of any other Academy or High School sending up in one year for entrance, three or more candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than $80, the Governors will add the amount of the fees of tuition thereto.

Exemptions from fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek.

By a resolution of the Board of Governors exemptions are granted to students of any affiliated Theological College, recommended by its Principal, and entering the Faculty of Arts either as Undergraduates or as Partial Students.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners' Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

## § III. COURSE OF STUDY.

1. Undergraduates are arranged according to their standing, as Students of the First, Second, Third or Fourth Year. They are required to attend all the courses of Lectures and pass the examinations appointed for their several years, under the Regulations of the Faculty as to attendance and conduct; the only exceptions are those in favor of Honour and Professional Students, stated in § V.

### ORDINARY COURSE FOR THE DEGREE OF B.A.

#### FIRST YEAR.

GREEK.—HOMER.—Odyssey, Books XXI-XXIV. (Selections.) Studies in History and Literature.

LATIN.—CICERO.—Select Letters. VIRGIL.—Book IX.—Translation at sight.—Studies in History and Literature. — Latin Prose Composition.

MATHEMATICS.—Arithmetic.—Euclid, six Books,–Algebra to end of Quadratic equatums—Plane Trigonometry, in part.

ENGLISH LANGUAGE AND LITERATURE.

First term.—MILTON'S Comus and BACON'S Essays (selected). Two lectures a week. Analysis, one lecture a week.

Second term.—English Literature, previous to Elizabethan Period.

CHEMISTRY.—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work if desired. The whole preparatory to the course in Natural Science.

FRENCH.—DAREY, Principes de Grammaire française.—LAFONTAINE, Choix de Fables,—MOLIERE, L'Avare—Dictation; Colloquial exercises.

*Or either of the following:—*

GERMAN.—VANDERSMISSEN'S and FRASER'S German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

HEBREW.—(For Theological Students). —*Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis. —Text-books, HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

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## SECOND YEAR.

GREEK.—EURIPIDES.—Medea.

LATIN.—HORACE.—Epistles, Book II. TACITUS.—Germania, Chap. 1–27. Translation at sight and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

ENGLISH LITERATURE.—A period of Eng ish Literature and one play of Shakspere. During the Session of 1888-9.—The leading poets of the nineteenth century. SHAKSPERE, A Midsummer Night's Dream. [Clarendon Press Edition].

PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (Text-book:—MURRAY'S Handbook of Psychology, Book I). Second Term.—Logic (Text-book:—JEVONS' Elementary Lessons in Logic).

BOTANY.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-books.*—Gray and Bessey.

FRENCH.—Ponsard, l'Honneur et l'Argent,—RACINE, Phèdre—CONTANSEAU, Précis de littérature française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or either of the following :—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. ADLER'S Progressive German Reader (selections from Sections 3-5). TOWNSON, Easy German Stories. Dictation. Colloquial exercises. Translations, oral and written. Parsing.

HEBREW.—(For Theological Students.) —*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from Genesis, Exodus, Deuteronomy.—Exercises :—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examinations see § IV.

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## THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.
ÆSCHYLUS.—Prometheus Vinctus.

*Or, instead of Greek :—*

LATIN.—JUVENAL.—Satires VIII. and XIII.
LIVY.—Book XXI.
Latin Prose Composition.

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First 3 chapters, omitting sec. 5, chapter I, and sect. 21, chapter II. ; *Dynamics*, subjects of the First 5 chapters. GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the student, provided two be taken from one division, and one from the other.

*I. Literature, &c.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—*A.* CHAUCER'S Prologue to Canterbury Tales., ed. Morris. *B.* BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II. Part I.

FRENCH.—(If taken in the first two years).—CORNEILLE, Nicomède—Cogery:—Third French course.—Translation into French:—Morley's Ideal Commonwealths. French Composition. Dictation.—CONTANSEAU, Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours.

GERMAN.—(If taken in the first two years.) VANDERSMISSEN'S and FRASER'S German Grammar. SCHILLER, Siege of Antwerp. LESSING, Minna von Barnhelm. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German composition. Dictation.

HEBREW.—(For Theological Students).—*Advanced Course.*—Gesenius' Grammar—Harper's Elements of Syntax. Exercises continued.—Translation. Reading of the Masoretic notes.—*First Part:* Isaiah; Psalms.—*Second Part:* Job; Ecclesiastes; Jeremiah.

*II. Science.*

† OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy, English edition; First three chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

† EXPERIMENTAL PHYSICS.—Electricity, Magnetism, and Sound, as in Ganot's Treatise.

ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-book.*—Dawson's Hand-book of Zoology,

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—Contra Ctesiphontem.

*or, instead of Greek:—*

LATIN.—TACITUS.—Annals, Book II.
Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics.* (Mechanics and Hydrostatics) as in Third Year, or Astronomy (GALBRAITH AND HAUGHTON) and Optics (GALBRAITH AND HAUGHTON)

MORAL PHILOSOPHY.—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. The Students are required to write occasional essays on Philosophical subjects.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively) the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. Text-books. MYERS Mediæval and Modern History, pp. 1-398. BRYCE, Holy Roman Empire. (omit chaps. 6, 8, 9, 13 and supplementary chapter.)

FRENCH.—(If taken in Third Year) BONNEFON, Les Ecrivains modernes de la France.—Translation into French:—Morley's Ideal Commonwealths. Dictation.—CORNEILLE, Nicomède.

GERMAN.—(If taken in Third Year).—German Grammar and composition. Dictation. FOUQUE, Undine; SCHILLER, Wallenstein.
Outlines of German Literature. GOSTWICK & HARRISON (Chapters 15–24).

HEBREW.—(As in Third Year.)—(For Theological Students).

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat. as in GANOT's Treatise.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Lithology.* Minerals and rocks especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.*—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-books.*—Lecture Notes on Geology.

For the B. A. Examinations see § IV.

† Students claiming exemptions (See § V.), cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

NOTES ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

(For details of additional courses provided see under Section XII.)

Undergraduates are required to study either French or German for two years viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial or Occasional Students, and have in that capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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## HONOUR COURSES.

2. At the examination for the degree of B.A., Honours are given in the following subjects, for which special Honour Courses are provided :—[For details see under § XII.]

1. CLASSICAL LANGUAGE AND LITERATURE.
2. MATHEMATICS AND PHYSICS.
3. MENTAL AND MORAL PHILOSOPHY.
4. ENGLISH LANGUAGE, LITERATURE AND HISTORY.
5. GEOLOGY AND OTHER NATURAL SCIENCES.
6. MODERN LANGUAGES WITH HISTORY.
7. SEMITIC LANGUAGES.

Honours are given in the above subjects in the Third Year also, and in Mathematics in the First and Second Years.

Candidates for Honours are allowed exemptions under conditions stated in V.

## § IV EXAMINATIONS.

### COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two Examinations in each year; one at Christmas and the other at the end of the Session. In each of those the students who pass are arranged according to their answering as 1st Class, 2nd Class, and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examination.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject, before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examination of the first two years, or in one subject at the third year Sessional examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. Application for a Supplemental Examination must in all cases be made to the Faculty. A Partial or Occasional Student is required to pay a fee of $1 for it, if granted. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

# UNIVERSITY EXAMINATIONS.

## *For Students of McGill College and of Colleges affiliated in Arts.*

### I. FOR THE DEGREE OF B.A.

There are three University Examinations :—The *Matriculation* at entrance, the *Intermediate*, at the end of the Second Year ; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1890 are as follows:—

*Classics.*—Greek.—Euripides.—Medea.
Latin.—Horace.—Epistles, Book II. (including Ars Poetica).
Latin Prose Composition.

*Mathematics.*—Arithmetic.
Euclid, Books I., II., III., IV., VI. and defs. of Book V.
Algebra, to Quadratic Equations, inclusive.
Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following :—

1. *Botany and Vegetable Physiology.*—Structural and Systematic Botany, as in Gray's Text-Book, omitting the Descriptions of the Orders.
2. *French.*—Ponsard:—l'Honneur et l'Argent. Racine :—Phèdre. CONTANSEAU : Précis de la Littérature française, from the beginning to the end of the XVIII century. Translation into French :—Rasselas. Grammatical questions.
3. *German.*—Schmidt's German Guide; Adler's Reader (selections from secs. 3 and 4) ; Translation into German.
4. *Hebrew.*—Genesis, chaps. III, IV, V, VI; Exodus, chap. XX.; Deuteronomy chap. XXXII. Exercises: — Hebrew into English, and English Hebrew. Syntax.—Reading of the Masoretic notes.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz.,

Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics) or Astronomy and Optics; Moral Philosophy; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1890 are as follows:—

1. *Greek.*—Æschines, Contra Ctesiphontem. Æschylus, Prometheus Vinctus; Greek History:—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows):—
2. *Latin.*—Tacitus, Annals, Book II; Roman History (The twelve Cæsars.) Juvenal, Satt. VIII. and XIII.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books; or
2. Optics and Astronomy, " "

*Mental and Moral Philosophy.*

Calderwood's Handbook of Moral Philosophy (omitting the Historical Sketch pp. 43-76), and Rogers' Manual of Political Economy.

*Lectures, with any two of the books prescribed for Part I. of the Honour work of the Fourth Year.

*Natural Science.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Lecture Notes.

*Geology of Canada and Palæontology, or Practical Chemistry, as in § XII.

*Experimental Physics.*

*Light and Heat,* (see Courses of Lectures § XII).

*History.*

Myers:—Mediæval and Modern History; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and Supplementary Chapter).

*Additional Course as in XII.

*French.*

The Course of French for the Fourth Year.

*The subjects of the Additional Course as in § IX.

*German.*

The Course of German for Fourth Year.

*Additional Course as in § XII.

*Hebrew* (Theological Students):

Isaiah 1, 7, 53, 55.

Psalms 1 to 10.

Gesenius' Grammar, Harper's Elements of Syntax, Reading of the Masoretic notes.

*Additional Courses (See § III).

For details of each subject, see Courses of Lecture, § XII.

At the B.A. Ordinary Examination, of those Candidates who obtain the required aggregate of marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration :—

"Ego ———polliceor sancteque recipio me, pro meis viribus, studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam."

II. FOR THE DEGREE OF M.A.

1. A candidate must be a Bachelor of Arts of at least three years standing.

*Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules :—

*a*. The subject of the thesis must be submitted to the Faculty before the thesis is presented.

*b*. A paper read previously to any association or published in any way cannot be accepted as a thesis.

*c*. The thesis becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

*d*. The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of* 1889-90 *for sending in Thesis for M.A. will be Jan.* 31*st*, 1890.

*Examination.*

3. All candidates, except those who have taken First Rank B.A. Honours (or Second Rank B.A. Honours in or after 1889), or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each candidate may select.

(*a*) The subjects of the Examination in *Literature* are divided into two groups as follows :—

Group A.—1. Latin. 2. Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(*b*) The subjects for the Examination in *Science* are divided into three groups:—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(*c*) Every Candidate in Literature is required to select two subjects out of one group in the Literary section, and one out of the other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(*d*) One of the subjects selected as above will be considered the principal subject (being so denoted by the candidate at the time of application), and the other two as subordinate subjects.

For further details of the Examination application must be made to the Faculty before the above date. For fees see § XI.

### III. FOR THE DEGREE OF LL. D.

Candidates must be Masters of Arts of at least twelve years standing. Every Candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a Thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

Every Candidate for the degree of LL.D in Course is required to submit to the Faculty of Arts, with his Thesis, a list of books, treating of some one branch of Literature or of Science, satisfactory

to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

## § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (*a*) He has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (*b*) satisfied the Professor that he is otherwise qualified.

(*c*) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

*I. Candidates for Honours in the Second Year.*

Candidates for Honours in the second year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

*II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours if Honours be offered in the subject, or, if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects ; such Candidates shall be entitled n the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III.), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary undergraduates.

*III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.), is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same

departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see §III.

*IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine or Applied Science of the University, or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates" see § VI.)

To be allowed these privileges in either year they must give notice at the commencement of the Session to the Dean of the Faculty of their intention to claim exemptions as Professional Students, and must produce at the end of the Session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

*V. Students of the University attending Affiliated Theological Colleges.*

1. Such Students, whether entered as Matriculated or Occasional, are subject to the regulations of the Faculty of Arts in the same manner as other students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such Students may attend, as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French and German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

* Any Student who, under any of the above rules, desires to take Experimental Physics, is required to take Mechanics and Hydrostatics also, in the Third Year.

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## § VI. MEDALS, HONOURS, PRIZES, AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:

The *Henry Chapman Gold Medal*, for the Classical Languages and Literature.
The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.
The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.
The *Shakespeare Gold Medal*, for the English Language, Literature and History.
The *Logan Gold Medal*, for Geology and other Natural Sciences.
*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfils the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes on the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS, of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

In and after April, 1889, the Honour Examinations will each be divided into two parts, separated by an interval of a few days, under the following regulations :—

*a*. No candidate will be admitted to Part II. unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

*b*. The names of the successful candidates in Part I. will be announced before Part II. begins.

*c*. First or Second Rank Honours will be awarded to those candidates only who are successful in Part II.

*d*. Third Rank Honours will be awarded to those who are successful in Part I. alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province, as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for First Class Certificates for Grades "A. and B."*

3. SPECIAL CERTIFICATES will be given to those candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination. The candidates must have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, be in the First Class in not less than half the subjects, and

have no Third Class. At this examination no candidate who has taken exemptions (see § V.) can be placed in the First Class, unless he has obtained First Class in each of the departments in which he has been examined.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class, and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(*a*). The Regulations for the former are as follows :—

(1). The subjects for competition shall be French and German, together with the History part of the present Honour Course for the Shakespeare Medal.

(2). The course of study shall extend over two years, viz., the Third and Fourth Years.

(3). The successful Candidate must be capable of speaking and writing both languages correctly.

(4). There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5). The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6). Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7). Candidates desiring to enter on the Third Year of the Course, who have not obtained First Class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the course in Modern Languages, if called on to do so by the Professors.

(8). The subjects of Examination shall be those of the Honour Course in Modern Languages.

(*b*) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows :—

(1). The successful candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2). He shall be examined in the following subjects :—

(*a*) *Classics* (both languages); *(b) Mixed Mathematics* :—*Mechanics, Hydrostatics, Optics, Astronomy ; (c) Mental and Moral Philosophy ;* and any *two* of the following subjects, or any *one* of them with its Additional Course ; *(d)* Natural Science ; *(e)* Experimental Physics ; *(f)* English and History ; *(g)* French ; *(h)* German.

(3). His answering must satisfy special conditions laid down by the Faculty.

(4). The same candidate cannot obtain the Gold Medal for First Rank General Standing, and also a Gold Medal for First Rank Honours.

7. The Neil Stewart Prize of $20 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules :—

(1). The prize will not be given for less than a thorough examination in Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch and such poetic portions of the Scriptures as may be determined.

(2). In case competitors should fail to attain the above standard the prize will be withheld, and a prize of Forty Dollars will be offered in the following year for the same.

[Course for the present year :—Hebrew Grammar (Gesenius) ; Translation and analysis of the first ten chapters of Genesis ; the Prophet Habakkuk (the whole book) ; and the first ten Psalms.]

(3). There will be two Examinations of three hours each ; one in Grammar and the other in Translation and Analysis.

The Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill, and will be offered for competition next session.

8. Early English Text Society's Prize.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be :—

(1). The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat,) Part II., A.D., 1298—A.D., 1393. The Lay of Havelok the Dane (Early English Text Society, ed. Skeat).

9. New Shakspere Society's Prize. This Prize, the annual gift of the New Shakspere Society open to graduates and under-

graduates, will be awarded for a critical knowledge of the following plays of Shakspere :—

Hamlet ; Macbeth ; Othello ; King Lear.

10. "CHARLES G. COSTER MEMORIAL PRIZE." This Prize, intended as a tribute to the memory of the late Rev. Charles G. Coster, M.A., Ph. D.,Principal of the Grammar School, St. John. N.B. is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates, (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1889, it has not been restricted to any Academic year, but in April, 1890, it will be awarded to that undergraduate of the First Year, from the above Provinces, who in the opinion of the Faculty has passed the most satisfactory Sessional Examinations.

11. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit ; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

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## § VII. LICENSED BOARDING HOUSES.

*Regulations for Students in Arts passed by the Corporation, April, 1875.*

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

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## § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct :—

1. A Class-book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of a lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, students are expected to conduct themselves in the same orderly manner as in the Class-rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the student, and, if necessary, report him to the Dean.

5. Every student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from Classes, or report to the Corporation for expulsion.

7. Any student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interest of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

[NOTE.—All students are required to appear in Academic dress while in or about the College building. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings, appointed in the Calendar.]

## § IX. LIBRARY.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions :—1st, Those which

may be lent; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2. Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of $5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of $4 entitles a student to borrow two extra volumes.

4. A student incurring fines beyond the sum-total of $1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person, shall be replaced or paid for at such rates as the Library Committee may direct; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs.

6. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as students; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Honorary Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by a special regulation of Corporation entitled to the use of the Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian or his assistant.

10. Persons not connected with the College may consult Books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library except during these hours.

12. No person, other than the Librarian and the assistants, is allowed to enter the alcoves, or to take down books from the shelves, except members of

Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assistant before leaving the Library.

15. No conversation is permitted in the Library.

## § X. PETER REDPATH MUSEUM.

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lectures.

4. Any Student wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

## § XI. FEES.

All fees and fines are payable to the Bursar of the College.

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| *Matriculation Fee* for the First Year (to be paid in the Year of Entrance only) | $4.00 |
| *For the Second Year* (exigible from Students who enter in the Second Year, and also from those who have failed in the First Year and re-enter in the Second Year on Examination) | 6.00 |
| *Sessional Fee* | 20.00 |
| *Library Fee* | 4.00 |
| *Gymnasium Fee* | 2.50 |
| *Undergraduates* are required to pay all the above fees. | |
| *Fee for a certificate of standing*, if granted to a Student on application | 1.00 |
| *Fee for a certificate of standing*, if accompanied by a statement of classification in the several subjects of examination | 2.00 |
| *Examination fee* for Students of Affiliated Theological College who present themselves for the entrance examination without intending to become undergraduates | 10.00 |

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation, Library and Gymnasium Fees, and $5 for each Course which they attend, or $20 for all the courses.

*Occasional students* taking one course of Lectures only are required to pay $5 per Session for that course.

*Occasional students* taking two courses of Lectures are required to pay the Library Fee and $5 for each course.

N.B.—The lectures in one subject in any one of the four College Years constitute a "Course."

The Matriculation, Library and Gymnasium Fees are exigible from Students holding exemptions from Sessional Fees.

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures except those noted as requiring a special fee.

The fees must be paid to the Secretary, and the tickets shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty and on payment of a fine of $2.

[All fines are applied to the purchase of books for the Library.]

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| *Fee for the Degree of B.A.* | $ 5 00 |
| " " " *M.A.* | 10 00* |
| " " " *LL.D.* | 50 00* |

If the Degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is.....$25.00.

The B.A. fee must be paid before the Examination.

The M.A. or LL.D. fee must be sent with the Thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the Thesis to the Dean of the Faculty.

* A Bachelor of Arts or Master of Arts, intending to proceed to a higher Degree, is required, *in addition* to the above, to keep his name on the books of the University, by the annual payment of a fee of $2 to the Registrar of the University (which payment suffices also for Registration under Chap. III. of the Statutes of the University). He may, if he prefer it, compound for the above annual fees, by the payment of $6 in one sum for the Master's Degree, or $30 for the Doctor's Degree, on or before the of date of application for the Degree.

## § XII. COURSES OF LECTURES.

## *I. ORDINARY COURSE.*

### I. CLASSICAL LITERATURE AND HISTORY.

(Major H. Mills Professorship of Classics.)

Professor, Rev. G. Cornish, M. A., LL. D.

Asst. Prof., A. J. Eaton, M. A., Ph. D.

GREEK.

*First Year.*—Homer.—Odyssey, Books XXI.-XXIV. (Selections).

*Second Year.*—Euripides.—Medea.

*Third Year.*—Lysias.—Contra Eratosthenem. Æschylus.—Prometheus Vinctus.

*Fourth Year.*—Æschines.—Contra Ctesiphontem.

LATIN.

*First Year.*—Cicero.—Select Letters. Virgil.—Book IX. Latin Prose Composition.

*Second Year.*—Horace.—Epistles, Book II. Tacitus.—Germania, Chaps. I.-XXVII. Latin Prose Composition.

*Third Year.*—Juvenal.—Satires VIII. and XIII. Livy.—Book XXI. Latin Prose Composition.

*Fourth Year.*—Tacitus.—Annals, Book II. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages; and to Prosody and Accentuation.

An examination in Greek and Roman History will be required at the close of the First Year.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of Students.

*Text-Books.*—First Year.—Goodwin's Greek Grammar, Arnold's Latin Prose by Bradley, Cox's General History of Greece, Merivale's General History of Rome, Bender's Roman Literature.

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### 2. ENGLISH LANGUAGE AND LITERATURE.

(Molson Professorship.)

Professor, Chas. E. Moyse, B. A.

Lecturer, Paul T. Lafleur, M. A.

*First Year.*—English Language and Literature. Three lectures a week. Until Christmas the work of the class will partly consist of exercises in Analysis. Two lectures a week will be given to the study of English classics. Milton's Comus and a portion of Bacon's Essays have been selected for the

Session of 1889-90. After Christmas there will be a course of about thirty lectures on English Literature previous to the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English writers (Cassell, 1887).*

*Second Year.*—A period of English Literature, and one play of Shakespeare. One Lecture a week before Christmas; two Lectures a week after Christmas. During the Session of 1889-90, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakespeare—A Midsummer Night's Dream. (Clarendon Press Edition.)

*Third Year.*—*A.* Chaucer's Prologue to Canterbury Tales. Lecture once a week. Text-book, Chaucer's Prologue, &c., ed. Morris. *B.* Rhetoric, Lecture once a week, Text-book, Bain's Rhetoric.

*Fourth Year.*—History. The Lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the discovery of the New World. The use of Prof. Nicol's Tables of European History is recommended.

## 3. MENTAL AND MORAL PHILOSOPHY.

(John Frothingham Professorship of Mental and Moral Philosophy.)

Professor, Rev. J. Clark Murray, LL.D.

Lecturer, Paul T. Lafleur, M. A.

*Second Year.*—First Term.—Elementary Psychology. (Text-book;—Murray's Handbook of Psychology, Book I.) Second Term.—Logic. (Text-book:—Jevons' Elementary Lessons in Logic.)*

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term—The Psychological Basis of Ethics. Second Term—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. In the Third and Fourth Year students are also required to write occasional Essays on Philosophical subjects.

For Additional Courses, see Honour Course.

## 4. FRENCH LANGUAGE AND LITERATURE.

Professor, P. J. Darey, M. A, B. C. L., LL. D., Officier d'Académie,

*First Year.*—Darey, Principes de Grammaire française. LaFontaine, choix de fables. Molière, l'Avare. Dictation. Colloquial exercises.

*Second Year*—Ponsard, l'Honneur et l'Argent.—Racine, Phèdre. Contanseau, Précis de littérature française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French;—Dr. Johnson, Rasselas. Dictation. Parsing. Colloquial exercises.

* The prizes are awarded on the work of the whole Session

*Third Year.*—Corneille, Nicomède. Cogery;—Third French course. Translation into French;—Morley, Ideal Commonwealths. Dictation. Contanseau, Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours.

*Fourth Year.*—Cogery.—Third French course. Bonnefon, Les Ecrivains modernes de la France. Translation into French;—Morley, Ideal Commonwealths. French Composition. Dictation. Corneille, Nicomède.

For additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer:—P. Toews, M. A.

*First Year.*—Vandersmissen's & Fraser's, German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selection from Sections 3-5). Townson, Easy German Stories .Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's German Grammar. Lessing, Minna von Barnhelm, Schiller, Siege of Antwerp. History of German Literature from the earliest periods to the close of the 18th century (a brief survey by the Lecturer). German Composition. Dictation.

*Fourth Year.*—German Grammar, and Composition. Fouqué, Undine; Schiller, Wallenstein. Outlines of German Literature. Gostwick and Harrison (Chapters 15-24).

For additional courses see Honour Lectures.

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## 6. HEBREW AND ORIENTAL LITERATURE.

Professor, Rev. D. Coussirat, B.A., B.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—Text-books, Harper's Elements of Hebrew; and Introductory Hebrew Method and Manual.

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from Genesis, Exodus, Deuteronomy.—Exercises.—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation. Reading of the Masoretic notes. *First Part:*—Isaiah; Psalms. *Second Part;* Job; Ecclesiastes; Jeremiah.

The course comprises Lectures on the above Language and their Literature in particular, with a general notice of the other Oriental Languages, their genius and peculiarities. Comparative Philology, affinity of Roots, &c., also receive due

attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, &c.

For Additional Courses see Honour Lectures.

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## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(Peter Redpath Professorship of Natural Philosophy).

Professor, Alexander Johnson, M.A.,LL.D.

In the ordinary work of the First Year assistance will be given by G. H. Chandler, M. A., Professor of Practical Mathematics in the Faculty of Applied Science.

*First Year.*--Mathematics.--Arithmetic.--Euclid, Books, 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6) ; Todhunter's Edition —or Hall and Stevens' ; the latter is recommended to candidates for Honours especially. Colenso's Algebra (Part I.) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—Mathematics.—Arithmetic, Euclid, Algebra, and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

The course for the Intermediate University Examination consists of the Mathematics for the First two years.

*Third Year.*—Mathematical Physics.—Galbraith and Haughton's Mechanics, viz. *Statics*, First 3 chapters, omitting sec. 5, chapter I., and sect. 21, chapter, II ; *Dynamics*, subjects of the First 5 chapters. Galbraith and Haughton's Hydrostatics.

*Additional Department.*—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy, English edition ; First three chapters, viz., The Stars and Nebulae ; The Sun ; The Solar System). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—Astronomy.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subjects will be given before Christmas.

*Third and Fourth Years.*—Experimental Physics.—*Light.*—Theories.--Reflection.—Refraction.—Dispersion.—Interference and Diffraction.—Double Refraction.—Polarization. 2—*Heat.*—Dilatation of Solids, Liquids and Gases.—Specific and Latent Heat.—Radiation and Conduction.—Mechanical Theory of Heat. 3.—*Electricity*—Statical and Dynamical ;--including Electro-Magnetism— Magneto-Electricity—Thermo-Electricity.— Diamagnetism — Electric Measurements—Practical Application to Telegraphy, &c. 4.—*Magnetism.* 5.—*Sound.*—Theory of Undulations—Production and Propagation of Sound—Vibration of Strings, Rods and Plates—Vibrations of Fluids —Musical Sounds. Text-book ;—Ganot's Treatise, translated by Atkinson. This course extends over two years.

The subjects for the Session 1889-90 are Light and Heat.

The lectures in Mathematical and Experimental Physics will be illustrated by Apparatus, of which the College has a very good collection, including Dynamo and Gas Engine.

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## 8. GEOLOGY AND NATURAL HISTORY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor, Sir J. Wm. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph. D., F.G.S., Professor of Mineralogy.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and orders of Animals with recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of $20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize Collections or duplicates of them to remain in the Museum if required. Candidates must be Students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals or the fossils of one geological system or one definite locality.

(*Fourth Year.*) MINERALOGY AND GEOLOGY.—1. *Mineralogy and Lithology.* An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.* Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. The lectures will be fully illustrated with specimens, and will be accompanied with demonstrations in the Museum and excursions for field work. *Text-books.*—Dana's Manuals of Mineralogy and Geology; Dawson's Lecture Notes on Geology.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

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## 9. BOTANY.

Professor:—D. P. PENHALLOW, B.Sc.

*Second Year.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

*Text-books.*—Gray and Bessey.

A book prize will be given by the Professor for the best collection of planst and the greatest proficiency in their determination. The collections will be returned after examination. Candidates must be Students of Botany of the previous Session.

*Third Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work, each week. Microscopical manipulations ; Micro-Chemical reactions ; general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work, each week. A continuation of the Course in the third year, embracing a study of the structure and life history of Cryptogams. Special studies in embryology. No student will be admitted to the Course in the Fourth Year, without having followed that for the Third Year.

*Text-books.*—Bower and Vines' Practical Botany, Gœbel's Outlines of Classification and special Morphology.

*Fee for Additional Course :* $10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

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## 10. CHEMISTRY.

(David J. Greenshields Professorship of Chemistry and Mineralogy).

Professor :—B. J. Harrington, B.A., Ph. D.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulae and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements and many of their compounds, &c. A few Lectures are also devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, &c. During the course attention is called, as far as possible, to the relations of Chemistry to various manufacturing industries.

Students in Arts may attend the course in Practical Chemistry with the First Year in Applied Science on payment of a fee of five dollars.

*Text-Book*—To be announced at the beginning of the Session.

*Third Year.*—Additional Department. (*Theoretical or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Thorpe and Muir's Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—Additional Department. A course of Practical Chemistry, in continuation of that of the Third Year.

Note.—New chemical laboratories, capable of accommodating about fifty students, have recently been erected, and afford excellent facilities for practical work.

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## 11. METEOROLOGY.

Superintendent of Observatory, C. H. McLEOD, MA. E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

## 12. ELOCUTION.

Mr. JOHN ANDREW, Instructor.

Voice culture, including exercises for developing the thorax. Rush's Philosophy of the voice. Grouping of speech. Narrative reading and the reading of poetry. Biblical readings. Dramatic reading and declamation. Mr. Andrew will make arrangements for hours to suit students.

## 13. GYMNASTICS.

JAMES NAISMITH, B.A., Instructor.

The classes will meet at the University gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed gold, silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the graduating class, and to students who have had instruction in the gymnasium for two sessions, the gold medal to the former, the silver and bronze medals to the latter. (See Regulations appended).

# *II. HONOUR COURSES.*

## 1. CLASSICS.

*Third Year.*—The Authors to be read in Class, and privately by the Candidate, together with the History and other subjects, are selected at the commencement of the Session, and are divided into *Part I.*, and *Part II.*, at the Honour Examination.

*Fourth Year.*—*Part I.*—(1) *Greek Authors:*—Æschylus, Prometheus Vinctus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Æschines, Contra Ctesiphontem. (2). *Latin Authors*:—Horace, Episttes, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires, V. and VI.; Livy Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero, De Officiis. (3) *Greek and Latin Prose Composition*:—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1.) *Greek*:—Plato Republic, Books I. and II. Aristotle, The Poetics. Herodotus, Book VIII. Thucydides, Books VI. and VII. Hesiod, Works and Days. Æschylus, Seven

against Thebes. Aristophanes, The Frogs. Pindar, Olympic Odes. Theocritus, Idylls I. to VI. Demosthenes, De Corona. (2.) *Latin.*—Livy, Books XXII. and XXIII. Tacitus, Annals, Book I. Tacitus, Histories, Book I. Virgil, Æneid, Books I. to IV. Plautus, Aulularia. Terence, Adelphi. Juvenal, Sat. X. Cicero, De Imperio Cn. Pompeii. 3. *History of Greece and Rome:—Text-Books.*—1. Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Donaldson's Theatre of the Greeks.

(4). *Composition.*—1. Composition in Greek and Latin Prose. 2. General Paper on Grammar, History and Antiquities.

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## 2. MENTAL AND MORAL PHILOSOPHY.

THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; Murray's Handbook of Psychology, Book II., Parts 2 and 3; Thomson's Outlines of the Laws of Thought. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Cicero's De Finibus, Books III and IV.; Fraser's Selections from Berkeley.

FOURTH YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 22-45 inclusive; Lorimer's Institutes of Law; Murray's Outline of Hamilton's Philosophy; Spencer's First Principles; Mill's System of Logic, Book V. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

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## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive. Spencer.—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above mentioned portion of the Honour work constitutes the Additional Course of the Third Year).

Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.: Dryden—Annus Mirabilis; Absolom and Achitophel, Part I.; the Preface to the "Fables." Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

*Part. II*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, vol. II., chap. X., sections V.-X. inclusive; Macaulay, vol. I., chap. I.; History of the English People—(Reign of Eliz. and Chas. II).

FOURTH YEAR.

*Part. I*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chaps. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year). Early English; Morris and Skeat, Part II., Extt. X.-XX. inclusive; Shakespere—Love's Labour's Lost.—A Midsummer Night's Dream, Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part. II*—Portions of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed. Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth, and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, chaps. L., LI., LXIV., LXV. Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

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## 4. MATHEMATICS AND PHYSICS.

*First Year.*—MATHEMATICS. Hall and Stevens's Euclid, Casey's Sequel to Euclid Hall and Knight's advanced Alegbra—Todhunter's or Burnside and Ponton's Theory of Equations (selected course).

The Honour lectures in the First Year begin after Christmas. Before admission to them, candidates will be examined on the Theorems and Examples throughout Hall and Stevens' Euclid for which proofs are given; and will have their ability to solve some of the easier problems and exercises tested.

*Second Year.*—MATHEMATICS.—Hind's Plane and Spherical Trigonometry or Lock's Higher Trigonometry and McClelland and Preston's Spherical Trigonometry, Part I.—Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13, inclusive—Williamson's Differential and Integral Calculus (selected course).

*Third Year.*—MATHEMATICAL PHYSICS. Part I.—1. Minchin's Statics, vol. I., selected chapters. 2. Williamson and Tarleton's Dynamics, chaps. 1 to 8, inclusive. Part II.—Remainder of Minchin's Statics. Vol. I., Besant's Hydro-mechanics Part I, chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

B.A. HONOUR COURSE.

*Part. I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole). PURE MATHEMATICS.—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part. II.*—PURE MATHEMATICS.—Boole's Differential Equations (selected course). MECHANICS.—Minchin's Statics, vol. II. except chapters 14 and 18.—Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a Particle).—Routh's Dynamics of a Rigid Body (for reference).—Besant's Hydro-mechanics.

PHYSICAL ASTRONOMY.—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newtoon's Principia, Lib. I., Sects. 1, 2, 3, 9, and 11.

LIGHT.—Lloyd's Wave Theory of light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity.

HEAT, ACOUSTICS } As in ordinary course

Engineering students may be candidates for Honours.

COURSE FOR ANNE MOLSON MATHEMATICAL PRIZE.

1. The Mathematical Physics of the Honour Course of the Third Year; 2. Salmon Geometry of Three Dimensions (selected course). 3. Willamson's Differential and Integral Calculus (selected course).

The value of the prize is about $64. It is open for competition to students entering on the Fourth Year.

## 5. NATURAL HISTORY AND GEOLOGY.

THIRD YEAR.

*Part I.* (1) *Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of Rocks.

*Part II.* (2) *Blowpipe Analysis and Determinative Mineralogy.* (3) *Lithology.*—Classes of Rocks, Texture and Composition. Description of the more commonly occurring Rocks. (4) Directions for collection and study in the vacation.

B.A. HONOUR COURSE.

*Part I.* (1) *Mineralogy and Lithology.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of mineralogical Formulæ, Quantivalent Ratios, etc. (2) *Practical*

*Geology*.—Including methods of observing and recording geological facts and searching for mineral deposits. Palæontology, including studies of special groups of fossils. One lecture or demonstration weekly. Dana's Manual. (Geikie's Field Geology, Nicholson's Palæontology, special Reports and Memoirs).

*Part II.* (3) *Lithology*.—Essential and accessory constituents of Rocks. Microscopic and macroscopic characters. Preparation of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture, weekly, with occasional demonstrations in the Museum or Laboratory.) (4) *Canadian Geology*.—Studies of the several Geological formations of Canada with their distribution, subdivisions and characteristic fossils. One lectur weekly, with excursions and Museum demonstrations. Reports of Geological Survey, Dawson's Acadian Geology.

Candidates for Honours will be expected to attain to such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honour.

ADDITIONAL DEPARTMENT.

*Third Year*.—Mineralogy as in Part I. above.

*Fourth Year*.—The Practical Geology, as in Part I. above, with Museum studies in Palæontology.

## 6. MODERN LANGUAGES.

(French and German, both of which must be taken)

THIRD YEAR.

*Part I*.—FRENCH.—LA FONTAINE, Les Fables. RACINE, Les Plaideurs PAUL ALBERT, Littérature du XVIIe siècle. Translation into French:—GOLDSMITH, the Vicar of Wakefield. CORNEILLE, Horace.

GERMAN.—Freytag, Aus dem Staat, Friedrichs des Grossen; Schiller, Wilhelm Tell. German Prose Composition, Buckheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Courses in French and German must also be taken. See § III.

*Part II*.—FRENCH.—Racine:—Phèdre; Les Plaideurs. Boileau:—L'Art Poétique. Pascal:—Les Pensées. La Bruyère:—Les Caractères. Ampère:—Formation de la Langue française.

GERMAN.—Wieland.—Oberon. History of German Literature; Gostwick. and Harrison, Chaps. I.-V., IX, XIII.

FOURTH YEAR.

*Part I*.—FRENCH. AUG. BRACHET, Grammaire Historique. PAUL ALBERT, La Littérature française, des origines à la fin du XVIe siècle. EMILE SOUVESTRE, Un philosophe sous les toits. Translation into French:—As You Like it

GERMAN.—Lessing, Nathan der Weise. Schiller, Geschichte des dreissigjahrigen Krieges. German Prose Composition, Buckheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs).

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH. Molière;—Le Misanthrope. Victor Hugo:—Hernani. La Rochefoucauld:—Les Maximes. Dr. C. Saucerotte:—L'Esprit de Montaigne. Auguste Brachet;—Grammaire Historique. Etudes des anciens textes français (Demogeot).

GERMAN.— A special study of Goethe's 'Faust' (Part I). Selections from Heine's Lyrical Poems. Behagel—Die Deutsche Sprache. Gostwick and Harrison, Chaps. XXV. XXX.

For First and Second Rank Honours the successful candidates must be capable of speaking and writing both languages.

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## 7. SEMITIC LANGUAGES.

### THIRD YEAR.

*Part I.*—*Hebrew.*—Genesis (the whole Book). Isaiah, Chaps. 40-66. *Chaldee.*—Daniel. *Syriac.*—The Peshito: St. John, Chaps. 1-5. *Literature.*—Driver's "Uses of the Tenses in Hebrew."

*Part II.*—*Hebrew.*—Ecclesiastes (the whole Book). Psalms, Books 1 and 2 (1-72). *Chaldee.*—Targum of Onkelos, Genesis, Chaps. 1-10. *Syriac.*—The Peshito Romans, Chaps. 1-5. *Literature.*—Davidson's "The Hebrew Text of the Old Testament."

### FOURTH YEAR.

*Part I.*—*Hebrew.*—Proverbs, chaps. 20-31. Job, chaps. 27-42. *Chaldee.*—Ezra; *Syriac.*— The Peshito: St. John, chaps. 6-15. *Literature.*—Muller's "Outlines of Hebrew Syntax."

*Part II.*—*Hebrew.*—Deuteronomy (the whole Book). Malachi (id). *Chaldee.*—Selections from the Targums of Jonathan Ben Uzziel, etc. *Syriac.*—Bar Hebræus: Selections from his Chronicles. *Literature.*—Renan's "A general History of the Semitic Languages."

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*Additional Department:*—(*For Third and Fourth Years.*) *The Chaldee Language:*—Brown's Aramaic Method and Translation. The Chaldee portions of Scripture, Targums of Onkelos and Jonathan Ben Uzziel. *The Syriac Language:*—Grammar, Translation from the Peshito.

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# LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

## SESSION OF 1889-90

| | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | 9 | Classics. | † Mathematics. (*b*) | Mathematics. | † Mathematics. (*b*) | Mathematics. |
| | 10 | Mathematics. | Classics. | Classics. | Classics. | Classics. |
| | 11 | English. | * French. | * French. | * French. | English. |
| | 12 | Elementary Chemistry. | * German. * Hebrew. | English. | * German. * Hebrew. | Elementary Chemistry. |
| SECOND YEAR. | 9 | * French. | Logic. | * French. | * Hebrew. | * French. |
| | 10 | Classics. | * German. Hebrew. | Logic. | Logic. | * German. † Mathematics. |
| | 11 | Mathematics. | Classics. | † Mathematics. Botany. | Classics. | Classics. |
| | 12 | † Mathematics. Botany. | * German. (*c*) | English. | * German (*c*) | |
| THIRD YEAR. | 9 | English Literature. | Classics. | † Classics. † Math. Phy. | Classics. | †Classics. † English. † Geol. |
| | 10 | German. † Math. Physics. | French. † Ment. Phil. | † Anglo-Saxon. | French. Theoretical. | † Mathematical Physics. |
| | | † Mental Philosophy. | | Physics (Mathematical). | Chemistry. | * Syriac, etc. |
| | 11 | | Zoology. | Mental Philosophy. | Zoology. | Rhetoric. |
| | 12 | | ⁂ Physics (Experimental). | Classics. | ⁂ Physics (Experimental). | Physics (Mathematical). |
| | 1 | | Hebrew. | | Hebrew. | German. |
| FOURTH YEAR. | 9 | † Math. Physics. † English. | Astronomy. (*a*) | † Classics. Geology. | Astronomy. (*a*) | † Classics. |
| | 10 | Geology. | French. † Ment. Phil. | English Literature. | † Mental Philosophy. | Geology. |
| | | | German. | | German. History. | |
| | 11 | Classics. † Geology. | Moral Philosophy. | Classics. | Moral Philosophy. | French. † Geology. Anglo-Saxon and Early English. |
| | 12 | Moral Phil. | Chaldee | | Chaldee | German. † Math. Physics. |
| | 1 | | ⁂ Physics (Experimental). | † Geology. † Math. Phy. | ⁂ Physics (Experimental). * Hebrew. | |

(*a*) During First Term. (*b*) Second Term. (*c*) For beginners entering 2nd Year. † For Candidates for Honours.
* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew. ⁂ From Nov. 1st.
Classes at 1 p.m. may be changed to other hours.
Library open every day, 9 to 4. The Museum will be opened as arranged by the Professor of Natural History.
Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m.

# Special Course for Women.

## IN THE FACULTY OF ARTS.

### DONALDA ENDOWMENT.

Professors and Lecturers (as on page 17). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates only wear the Academic Dress.

The *Jane Redpath Exhibition* is open for competition, at entrance into the First Year, to both men and women.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

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### I. MATRICULATION AND ADMISSION.

*Classics.*—*Latin.*—Cæsar, Bell. Gall, Book I and Virgil, Æneid, Book I, lines I—300.; Latin Grammar.

*Greek.*—Xenophon, Anabasis, Book I. Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language subject to the same regulations throughout the course of four years.

*Mathematics.*—Arithmetic; Algebra to Simple Equations (inclusive); Euclid, Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis.*—A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates unable to take French are not excluded but will be required to study German after entrance.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics.

Partial Students.—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

Occasional Students.—Ladies desirous of taking one or two Courses of Lectures in the separate classes for women, as Occasional Students, will report their names and the classes they desire to attend to the Lady Superintendent, and may then procure tickets from the Secretary of the University.

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## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In separate classes.*

*First Year.*—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

*Second Year.*—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics; Botany.

*Third Year.*—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions at the option of the student, provided two be selected from one division, and one from the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been previously chosen. (*b*) French or German (whichever has been taken in the first two years). (*c*) English and Rhetoric. (*d*) Mental Philosophy.

*II. Science.*—(*e*) Optics and Descriptive Astronomy. (*f*)† Experimental Physics, First Course. (*g*) Natural Science (Zoology).

*Fourth Year.*—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy; with any three subjects out of the two following divisions at the option of the student, provided two be selected out of the one division, and one out of the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been taken above. (*b*) French or German, same language as in 3rd Year. (*c*) History.

*II. Science.*—(*d*) † Astronomy and Optics, if not chosen as above. (*e*) †Experimental Physics (Second Course). (*f*) Natural Science (Geology.)

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† Undergraduates claiming exemption (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the Student in either Third or Fourth Year, may select one subject only, together with an additional course in the same or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

Additional courses are provided at present in Botany and Practical Chemistry.

*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional and open to Occasional Students.

*Elocution.*—Should students offer, a class for Reading and Elocution will be opened by Mr. Andrews.

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HONOUR COURSE AND ADDITIONAL COURSE.

(*In Mixed Classes.*)

Undergraduates desirous to take one of the Honour Courses in Classics Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such, portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

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## III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D. conferred in the usual way, on the usual conditions ; and will be entitled to all the privileges of these degrees, except that of being elected as fellows.

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## IV. FEES.

*Matriculation Fee* for the First Year, to be paid in the Year of Entrance only ..... $4 00

*Sessional Fee* ..... 20 00

*Library Fee* (optional) ..... 4 00

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation Fee, and $5 for each Course which they attend, or $20 for all the Courses.

The above Fees are to be paid to the Registrar of the University, from whom Tickets for the Library and copies of the Library Rules may be obtained.

*Occasional Students.*—$5 for each class.

For Gymnastics $2.50 for the session (optional.)

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination).

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal, and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant commissioners, Montreal, who has taken the highest marks at the A. A. Examinations, and is recommended by the Commissioners.

For time of payment and other rules regarding Fees, see § XI, *ante.*

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## V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

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LECTURES OPEN TO OCCASIONAL STUDENTS, SESSION 1889-90.

CHEMISTRY :—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY :—*Prof. Penhallow.* Monday at 3, Wednesday at 12.

ZOOLOGY :—*Sir Wm. Dawson.* Tuesday and Thursday, at 12 noon.

GEOLOGY :—*Sir Wm. Dawson and Dr. Harrington.* Tuesday and Thursday, at 2 p. m. Wednesday, at 10 a. m.

EXPERIMENTAL PHYSICS :—*Dr. Johnson.* Tuesday and Thursday, at 3 p. m.

PSYCHOLOGY AND LOGIC :—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday, at 4 p. m., and Thursday at 12.

MENTAL PHILOSOPHY :—*Rev. Dr. Murray and Mr. Lafleur.* Monday and Wednesday, at 4 p. m.

MORAL PHILOSOPHY :—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a.m.

RHETORIC :—*Mr. Lafleur.* Wednesday, at 11 a. m.

ENGLISH:—*Prof. Moyse and Mr. Lafleur.* Language and Literature, Tuesday, Wednesday and Friday, at 4 p. m. Literature of Elizabethan and Stuart periods and Shakespeare, Wednesday and Friday, at 3 p. m. (only one lecture a week before Christmas). Chaucer—Monday at 10 a. m.

HISTORY:—*Prof. Moyse.* Thursday, at 9 a. m.

LATIN AND GREEK *:—*Rev. Dr. Cornish and Dr. Eaton.*

FRENCH *:—*Dr. Darey.*

GERMAN *:—*Mr. Toews.*

MATHEMATICS AND MATHEMATICAL PHYSICS *:—*Dr. Johnson and Prof. Chandler.*

Those Courses, in which two lectures weekly are delivered, will each amount to about 40 lectures, and the others in proportion.

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*The Lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation, as ascertained by examination.

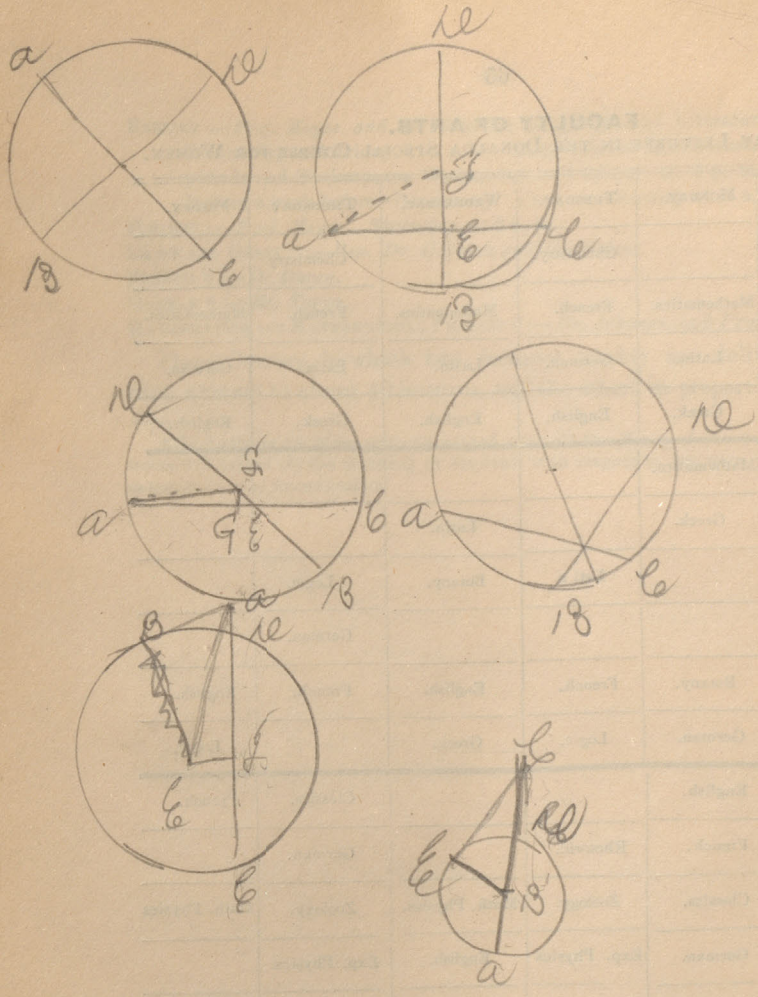
## FACULTY OF ARTS.

*Ordinary Lectures in the Donalda Special Course for Women.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 12 | | Chemistry. | | Chemistry. | |
| | 2 | Mathematics. | French. | Mathematics. | French. | Mathematics. |
| | 3 | Latin. | German. | Latin. | Latin. | German. |
| | 4 | Greek. | English. | English. | Greek. | English. |
| Second Yea | 10 | Mathematics. | | | | |
| | 11 | Greek. | | Latin. | | |
| | 12 | | Lati n | Botany. | Logic. | |
| | 2 | | | | German. | |
| | 3 | Botany. | French. | English. | French. | English. |
| | 4 | German. | Logic. | Greek. | | Logic. |
| Third Year. | 10 | English. | | | Classics. | French. |
| | 11 | French. | Rhetoric. | | German. | |
| | 12 | Classics. | Zoology. | Math. Physics. | Zoology. | Math. Physics |
| | 3 | German. | Exp. Physics | English. | Exp. Physics. | |
| | 4 | Metaphysics. | | Metaphysics. | | |
| Fourth Year. | 9 | | | | History. | |
| | 10 | French. | Astronomy. | Geology. | Astronomy. | French. |
| | 11 | German. | Classics. | | Classics. | Moral. Phil. |
| | 12 | | oral Phil. | Moral Phil. | | |
| | 2 | | Geology. | | Geology. | German. |
| | 3 | | Exp. Physics. | | Exp. Physics. | |

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

* For Honour Lectures see previous table.



# Faculty of Applied Science.

THE PRINCIPAL (*ex-officio*).

Professors :—HARRINGTON, BOVEY, McLEOD, CHANDLER.

Associate Professors :—DAWSON, JOHNSON, DARBY, MOYSE, PENHALLOW.

Associate Lecturers :— LAFLEUR, TOEWS.

Dean of the Faculty :—HENRY T. BOVEY, M.A., M.INST. C.E.

Assistants : —TAYLOR, ATKINSON, HERSEY.

The Instruction in this Faculty is designed to afford a complete preliminary training, of a technical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Four distinct Departments of study are established, viz. :

(1).—Civil Engineering and Surveying. (2).—Mechanical Engineering. (3).—Mining Engineering. (4).—Practical Chemistry.

Each of these extends over four, or, under certain conditions, three years, and is specially adapted to the prospective pursuits of the Student.

The Degrees conferred by the University upon such undergraduates of this Faculty, as shall fulfil the conditions and pass the Examinations hereinafter stated, will be in the first instance "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and, subsequently, the degrees of "Master of Engineering" or of "Master of Applied Science." (§ V.)

*Examinations for Land Surveyors* :—Any graduate in the

Faculty of Applied Science, in the Department of Civil Engineering and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Students in the Civil Engineering Department, who at the beginning of their Fourth Year give notice to the Faculty of their intention to prepare for the examination for Dominion Topographical Surveyors, will receive preparation for that examination, more especially in Spherical and Practical Astromomy and Geodesy, and may be exempted from the Heat and Hydraulics, or from the Designing of the Fourth Year.

Partial Students may be admitted to the lectures and examinations in the above special work.

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## §I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation must present themselves for examination on the 17th of September, 1889. They may, however, be admitted at a later period of the Session upon special application, if qualified to take their places in the classes in progress.

JUNIOR MATRICULATION. For entrance into the First Year two examinations are held;

(1) In the first week in June, when Schools may send their pupils for examination to McGill College.

N.B. Schools at a distance may send to the Secretary of the University names of Deputy Examiners, together with a list of candidates on or before May 15th, and, if approved, the examination papers will be forwarded to them.

(2) At the opening of the session, on September 17th and following days, in McGill College alone.

The subjects of examination are :—

*Mathematics.*—Arithmetic; Algebra, to end of Simple Equations Euclid's Elements, Books I., II., III.

*English.*—Dictation, Grammar [including Analysis] and Composition.

*French.*—Grammar to Syntax (exclusive) and easy translation.

Candidates unable to take the French examination are allowed to enter, but must take German as the Modern language of their undergraduate course.

Candidates who have passed the Associate in Arts examinations in the above subjects will be received as Matriculated Students in the First Year.

SENIOR MATRICULATION. For entrance into the Second Year only one examination is held, viz., on September 17th and following days, in McGill College. The subjects of examination are :—

*Arithmetic.*

*Algebra.*—To the end of Quadratics [as in Colenso's Algebra, Part I].

*Euclid.*—Books, I., II., III., IV., VI. and XI., and the definitions of Book V.

*Plane Trigonometry.*—Including solution of Triangles, and the use of Mathematical Tables.

*Chemistry.*—As in Nichol's Abridgment of Eliot and Storer's Manual

*English.*—Dictation, Grammar (including Analysis), Composition, and the leading facts of the History of England.

*French or German.*—Grammar and easy translation.

Candidates unable to pass in Chemistry may be allowed by the Faculty to enter and take the First Year lectures on Chemistry.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

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## §1. MEDALS, EXHIBITIONS AND PRIZES.

1. The BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for Session 1889–90 will be open for competition to Fourth Year Students of the Practical Chemistry Course. Candidates must take a first-class general standing in the Ordinary Course, and the medal will be awarded to the Student who stands first in the Advanced Course. (§IV. B.)

2. THE STANLEY SILVER MEDAL (the gift of His Excellency The Right Honourable Lord Stanley.)

The Stanley Medal for Session 1889–90 will be open for competition to Fourth Year Students of the Civil Engineering Course.

Candidates must take a first-class general standing in their Ordinary Course, and the Medal will be awarded to the Student who stands first in the Advanced Course. (§IV B.)

The following Exhibitions and Prizes will be open for competition in September, 1889 :—

3. A British Association Exhibition of $50.00 to Students entering the Fourth Year, the subjects of examination being the Theory of Structures, Mathematics and Mathematical Physics of the Ordinary Course.

4. A SCOTT EXHIBITION of $66.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

[*a*] Macaulay's History of England, Vol. I., cap. I; Sir Walter Scott's Lady of the Lake. [*b*] Mathematics. [*c*] Mechanism.

5. A British Association Exhibition of $50 will be open for competition to Students entering the Second Year, the subjects of Examination being :—

(*a*) Macaulay's History of England, Vol. I., cap. I.; Shakespeare's Tempest; (*b*) Mathematics.

6. TWO PRIZES IN BOOKS, each of the value of $25, one presented by E. B. Greenshields, B. A., and one from the British Association Medal Fund, for the two best Summer Reports or Essays.

7. Two Prizes, one of $15 and one of $10, from the British Association Medal Fund, to Students entering the Third Year, for proficiency in levelling (running a line of levels and closing on the starting point).

8. A Prize of $25.00 for the best mechanical model, preference being given to one of original design, presented by W. E. Gower, M.Can.Soc C.E.

9. A Prize of $25.00, presented by J. H. Burland, B.A.Sc., to Students entering the Second Year, the subjects of examination being :—(*a*).—Inorganic Chemistry; (*b*).—Elements of Organic Chemistry; (*c*).—Practical Chemistry.

10. Prizes or certificates of merit are given to such Students as take the highest places n the Sessional and Degree Examinations.

## § III. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of : pecial fees (§ VII.)

2. Undergraduates in Arts may, if allowed by the Faculty of Arts, be admitted to the Professional Classes in Practical Science on payment of the fees for these classes.

3. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

4. Students who have passed the Intermediate in Arts, with standing not lower than Second Class in Mathematics, have the privilege of entering the Second Year in Applied Science, and wil be exempted from one of the Departments in the Third and Fourth Years in Arts.

5. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they may have previously attended as Students in Arts, but must pass all the examinations.

6. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental examination is passed, students will not be allowed to proceed to any subsequent examination in that subject.

7. Students of the Second, Third and Fourth Years will be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

8. Students who fail to obtain their Session, and who, in consequence, repeat the Year, will not be exempted from examination in any of those subjects in which they may have previously passed except by the express permission of the Faculty Application for such exemption must be made at the commencement of the Session,

9. A Student may obtain a certificate of standing on payment of a fee of $2.00.

10. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings and acquire knowledge of the utmost importance in relation to the practical part of the profession.

## § IV. COURSES OF STUDY FOR SESSION 1889-90.

### A. ORDINARY COURSES.

| Civil Engineering. | Mechanical Engineering. | Mining Engineering. | Practical Chemistry. |
|---|---|---|---|
| **FIRST YEAR.** | | | |
| Arithmetic, Euclid. | Arithmetic, Euclid. | Arithmetic, Euclid. | Arithmetic, Euclid. |
| Algebra. Trigonometry. | Algebra. Trigonometry. | Algebra. Trigonometry. | Algebra. Trigonometry. |
| Geometrical Conics. | Geometrical Conics. | Geometrical Conics. | Geometrical Conics. |
| Solid Geometry. | Solid Geometry. | Solid Geometry. | Solid Geometry. |
| Descriptive Geometry (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) |
| Freehand Drawing. | Freehand Drawing. | Freehand Drawing. | Freehand Drawing. |
| Chemistry. | Chemistry. | Chemistry. | Chemistry. |
| English. | English. | English. | English. |
| French or German. | French or German. | French or German. | French or German. |
| **SECOND YEAR.** | | | |
| Mechanism. | Mechanism. | Practical Chemistry. | Practical Chemistry. |
| Materials. | Materials | Mechanism. | |
| Surveying. | Surveying. | Surveying. | |
| Descriptive Geometry. | Descriptive Geometry. | Descriptive Geometry. | Descriptive Geometry. |
| Algebra. | Algebra. | Algebra. | |
| Analytical Geometry. | Analytical Geometry. | Analytical Geometry. | |
| Calculus. | Calculus. | Calculus. | |
| Mathematical Physics. | Mathematical Physics. | Mathematical Physics. | Mathematical Physics. |
| Experimental Physics. | Experimental Physics. | Experimental Physics. | Experimental Physics. |
| | Loco. Design & Cons. | | |
| Zoology. | Mechanical Work. | Zoology. | Botany. |
| English. | English. | English. | English. |
| French or German. | French or German. | French or German. | French or German. |
| **THIRD YEAR.** | | | |
| Theory of Structures. | Theory of Structures. | Theory of Structures. | Practical Chemistry. |
| Materials. | Materials. | Materials. | Theoretical Chemistry. |
| Surveying. | Machinery & Millwork | Mining. | |
| | Loco. Design & Cons. | | Blowpipe Analysis. |
| Descriptive Geometry. | Descriptive Geometry. | Practical Chemistry. | Mineralogy. |
| Analytical Geometry. | Analytical Geometry. | Blowpipe Analysis. | |
| Calculus. | Calculus | Descriptive Geometry. | |
| Sphl. Trigonometry. | | Analytical Geometry. | |
| Practical Astronomy. | | Calculus. | |
| Mathematical Physics. | Mathematical Physics. | Mathematical Physics. | Mathematical Physics. |
| Experimental Physics. | Experimental Physics. | Experimental Physics. | Experimental Physics. |
| Geology & Mineralogy. | Mechanical Work. | Geology & Mineralogy | Zoology. |
| Modern Languages.† | Modern Languages.† | Modern Languages.† | Modern Languages.† |
| **FOURTH YEAR.** | | | |
| Theory of Structures. | Theory of Structures. | Assaying. | Practical Chemistry. |
| Mathematics. | Mathematics. | Mathematics. | Theoretical Chemistry. |
| | Machinery & Millwork | Metallurgy. | Metallurgy. |
| | Metallurgy of Iron. | Geology (advanced). | Assaying. |
| | Loco. Design & Cons | Mineralogy advanced. | Mineralogy. |
| Heat & Heat-Engines. | Heat & Heat-Engines. | Heat & Heat-Engines. | Geology. |
| Hydraulics. | Hydraulics. | Hydraulics. | |
| Materials. | Materials. | Materials. | |
| Designs. | D esigns. | Designs. | |
| Estimates. Spec'ns. | Estimates. Spec'ns. | Estimates. Spec'ns. | |
| Modern Languages.* | Modern Languages.* | Modern Languages.* | Modern Languages.* |

(1) During the summer recess the Students in the 2nd, 3rd and 4th years are to employ themselves in some practical work (Mechanical Engineering students in a work-shop), and they are also to prepare a report on such work, to be handed in not later than October 1st. Credit will be given for this Report (or Essay) in the subsequent Sessional Examinations.

(2) Students are not allowed to take subjects which do not form part of their course, without the sanction of the Faculty.

† English or French or German. * Modern languages not imperative in the Fourth Year

## B. ADVANCED COURSES.

1. CIVIL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics (*Strength of Materials, Theory of Structures, Heat and Heat Engines, Hydraulics*).

2. MECHANICAL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics. (*Strength of Materials, Dynamics of Machines, Heat and Heat Engines).*

3. MINING ENGINEERING.—Study of Ore-Deposits (as in Phillips). Metallurgy. Theory and practice of Metal-Mining and Ore-dressing. Special work in mineral analysis, with an Essay thereon.

4. CHEMISTRY.—Organic Chemistry, Industrial Chemistry, Mineralogy and special laboratory work with an Essay.

N.B.—A Student will not be allowed to take rank in an Advanced Course unless he has obtained a first class general standing in the Ordinary Course of the same Department.

The Advanced Courses in the Departments of Civil and Mechanical Engineering extend over two years. Students who have passed a creditable examination in the Mathematics of the Second Year, may take these Courses, and will be exempted from the Modern Languages of the the Third Year.

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## § V. EXAMINATIONS.

### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

1. CHRISTMAS AND SESSIONAL EXAMINATIONS.

There will be a Christmas Examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A Sessional Examination in all the subjects will be held at the end of the First and Second Years.

2. DEGREE EXAMINATIONS.

(*a*) There will be a Primary Examination at the end of the Third Year in all the subjects of that year. Candidates must pass this Examination before entering the Final Year.

(*b*) There will be a Final Examination for the degree of Bachelor of Applied Science at the end of the Fourth Year in all the subjects of that year.

The General Classification for the Degree Examination will be under two heads, viz. :

First, those who have satisfied the Examiners in the Advanced Courses, in order of merit.

Secondly, those who have satisfied the Examiners in the Ordinary Courses in order of merit.

Special Certificates may be given for proficiency in particular subjects.

Certificates may be given to Students who have passed the Special Courses added to the curriculum.

Students who take their Degree in one of the Courses provided by the Faculty of Applied Science may obtain credit in either of the remaining Courses, by attending one or more subsequent Sessions, the necessary provisions for which will be made.

II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Mechanical, or Mining Branch of Engineering.

They must pass with credit an Examination extending over the general Theory and Practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for Examination, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the Examination.

III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an Examination on the Theory and Practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading.

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## § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

## § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the Library and Museum as Undergraduates in Arts.

## § VIII. FEES.

*In the Course of Civil Engineering.*—$45; Library, $4. In all $49 for each Session.

*In the Course of Mechanical Engineering.*—$45; Library, $4. In all $49 for each Session.

*In the Course of Mining Engineering.*—1st Year $45; 2nd, 3rd and 4th Years $55; Library, $4. In all $49 to $59 for each Session.

*In the Course of Chemistry.*—1st Year, $45; 2nd, 3rd and 4th Years, $55; Library, $4 In all $49 to $59 for each Session.

*Matriculation Fee*, for the First and Second Years, $5.

*Fee for Degree of Bachelor of Applied Science*, (including the Registration fee) —$12.50.

*Fee for Degree of Master of Engineering or Master of Applied Science.*—$25.

If for any Special reason the Degree of Ma.E. and M. A. Sc. be granded *in absentia* the fee will be $40.

The fees must be paid to the Secretary, and the ticket shown to the Dean within a fortnight after the commencement of attendance in each Session. In case of default, the student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty on payment of a fine of $1.

The B.A.Sc. fee must be paid before the final Examinations.

Laboratory Students are required to purchase their own chemicals, &c. The larger articles of apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Partial students may be admitted to the Professional Classes in any year, by payment of the ordinary fees for that year; or they may attend the lectures on any subject by payment of a fee of $5 for each term,* except in the case of Chemistry, for which a fee of $10 for each term is required.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Students taking Blowpipe Analysis, when it does not form part of their course, are required to pay a fee of $5.

Partial Students may attend the course of Instruction in Meteorology on paying a fee of $5.

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*The first term ends with the Christmas examinations, the second with the Sessional.

## § IX. COURSES OF LECTURES.

### I. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor :—HENRY T. BOVEY, M.A., M.INST.C.E.

*Civil Engineering.*

The course of instruction in Civil Engineering will include the following :— Mechanism, Earthwork, Masonry, Carpentry, Structures of Timber, Stone and Iron, the Construction of Common Roads, Rail Roads, Bridges, Viaducts, Tunnels, Canals, River, Harbour and Sea Works, Drainage Works, Lighthouses, Works connected with Irrigation and Water Supply, etc.

*Applied Mechanics.*

The subject of Applied Mechanics will be treated under two heads :—

(*a*) The Strength of Materials, embracing a study of Work, Inertia, Energy and Entropy, Strength, the Stiffness, and Resilience of Materials, Beams or Girders, Pillars, Shafts, Structures (*simple and complex*), Earthwork, Retaining Walls and Arches.

(*b*) Hydraulics, comprising the Theory of Hydrostatics and Hydrodynamics, the Flow of Liquids through Orifices, Pipes and Canals, the Action of a Stream on inclined or curved Vanes (*fixed or revolving*), Hydraulic Machines (*Pressure Engines, Vertical Water Wheels, Turbines, Centrifugal Pumps*), Pneumatics.

*Heat and Heat-Engines.*

The course of instruction in this Department will embrace :—The General Description of the Steam Engine, the Theory of Heat, the Application of Heat to Thermal Machines, the production of Heat and Steam, and also :—

(*a*) The movement and distribution of Steam, including the action of Steam in a Cylinder, the methods and regulations of the distribution of Steam, Systems of Cut-off, the general disposition of Cylinders, Condensers, &c.

(*b*) The modes of transmission and a consideration of certain special machines.

(*c*) The construction of an Engine, under which head will be considered Rivets, Bolts, Screws, Sockets, Keys, Cylinders, Pistons, Organs of Distribution, Organs of Transmission.

(*d*) The construction of Special Machines.

*Designs, Estimates, &c.*

Engineering Students will also prepare designs, specifications, and estimates of such works as are usually undertaken by the Engineer.

Each Student works independently, under the personal supervision of the Professor of Engineering, and makes such drawings and calculations as would be needed were the structure designed to be actually carried out.

## II. MECHANICAL ENGINEERING.

Professors :— { HENRY T. BOVEY, M.A., M.I.M.E.
C. H. MCLEOD, MA. E., M.CAN.SOC.C.E.

### *Mechanism.*

The lectures on Mechanism will treat of:—The object and structure of a machine, conversion and modification of motion, aggregation of motion, velocity ratios, linkwork, the teeth of wheels and trains of wheels, indicator diagrams and measurement of H. P., escapements, connections, various elementary combinations Shop visitation by the class.

### *Theory of Machines.*

This Branch will comprise :—

(*a*) *The transmission of work*, including the measurement of work, the efficiency of machines, dynamical friction, viscosity, and the methods of transmitting work (*by continuous rotation, oscillation, belts, water, and compressed air*).

(*b*) *The modification of Work and Stores of Energy*, embracing a study of the actual energy of moving pieces, springs and weights.

(*c*) *Governing and controlling Machines*, including a consideration of uniform effort, variable resistance, machines driven by fluid pressure, differential governors.

(*d*) *Balancing Machinery.*

### *Mechanical Work.*

A course of lectures will be given on the following specific Departments of Mechanical Engineering, and will treat entirely of the principles and results of actual practice :—The different classes of machinery, Belts, Gearing, Forging, Hammers, the Tempering of Steel, Tools, Vice-work, Fitting and Finishing, Lathes and Lathe-work, Planing, Slotting and Shaping Machines, Boring and Drilling, Milling and Milling tools, Screw-cutting, the Slide-valve, Standard Measures, Gauging Implements, Rivetted Joints, Fastenings, Pipes and Cylinders, Journals, Bearing, Shafting, Linkwork, Pistons and Stuffing Boxes, Lubricators, Moulding and Founding.

Students before obtaining their degree in this course must present certificates of having been employed for at least eight months in Mechanical work-shops.

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### LOCOMOTIVE DESIGN AND CONSTRUCTION.

SECOND, THIRD AND FOURTH YEARS :—Session 1889-90.

Mr. R. Atkinson, M. CAN. SOC. C. E., of the Canadian Pacific Railway Mechanical Engineering staff, will give a course of lectures at the Canadian Pacific Works on the design and construction of Locomotives, comprising Boilers, Cylinders, Motion and Tenders, and on Machinery and Shop Appliances.

## III. MINING ENGINEERING.

Professor :—B. J. HARRINGTON, B.A., PH.D.

The object of this course is to give Students a knowledge of the characters and modes of occurrence of various economic minerals, together with the methods employed for their extraction and subsequent treatment.

The lectures on Mining are given during the Third Year, and among the subects taken up the following may be mentioned :—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring ; the Sinking, Timbering and Tubbing of Shafts; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous Deposits or of Coal Seams, &c. During this year, also, instruction is given in Blowpipe Analysis, the object of which is to enable Students by means of the blowpipe and a few simple re-agents to detect the nature of different Minerals or Ores. On account of the small quantity of apparatus required, and the rapidity with which accurate results may be arrived at, a knowledge of his subject will be found most useful to those engaged in geological or other field-work.

In the Fourth Year a short course of lectures on Metallurgy is given, and assays are made of various Ores, Fuels, &c.

NOTE.—The lectures on Mining and Metallurgy are illustrated by a series of Models.

## IV. DESCRIPTIVE GEOMETRY AND SURVEYING.

Professor :—C. H. MCLEOD, MA.E.

*Descriptive Geometry.*

SECOND YEAR.—(1).—Linear Drawing. (2).—Orthographic projection, including penetrations, developments, sections, etc.

THIRD YEAR.—(1) Orthographic projection (continued). Tangent planes and normals. Curved surfaces. Graphical determination of spherical triangles. (2).—Spherical projections, including the construction of maps. (3).—Axometric projection. Isometric projection. (4).—Shades and shadows. (5).—Mathematical perspective. Perspective of shades and shadows.

*Surveying.*

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in field engineering.

SECOND YEAR.—Chain Surveying, Angular Surveying. The use and adjustment of the Transit, Theodolite, Level (Dumpy, Y. and other forms), Sextant, Aneroid Barometer, Plane-table and other field instruments. Contour Surveying. Underground Surveying. Plotting. Practical operations in the field and Classroom. Calculating areas.

THIRD YEAR.—Topography, Review of Instruments, Methods of Setting out Work and Curves. Geodesic Levelling, Indirect and Barometic Levelling, Hydro-

graphic Surveying, Geodetic Surveying, The Astronomical Transit and Determination of time. Practical operations in the field, class-room and observatory.

NOTE.—The field work is carried out under the personal supervision of the Professor, and is as follows :—(*a*) a chain survey, (*b*) an angular survey, (*c*) a contour survey, (*d*) the location of a line of road, including preliminary surveys, ranging curves, levelling and setting out the work, (*e*) a hydrographic survey. Each student is required to make field notes, and from these to plot all plans and sections required in connection with the above.

At the close of the sessional examinations there is also an optional course for the 3rd year in astronomical observations and triangulations. The former includes latitude, longitude (by lunar culminations), azimuth and time.

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FREEHAND AND MODEL DRAWING.

FIRST YEAR:—Session 1889-90.

Instruction in Freehand and Model Drawing will be given by Mr. A. T. Taylor, M.R.I.B.A.

Students in Arts may attend the classes in Freehand Drawing on payment of a fee of $1 per term.

## V. CHEMISTRY AND ASSAYING.

Professor :—B.J. HARRINGTON, B.A., PH.D. (Greenshields Professor of Chemistry and Mineralogy.)

Assistant :—MILTON L. HERSEY, B. A. Sc.

A course of Lectures, illustrated by experiments, is given to all Students of the First Year in Applied Science on the Laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important non-metallic and metallic Elements and many of their Compounds, and on the elementary principles of Organic Chemistry. Students taking these lectures must also devote one afternoon a week during the first term, and two afternoons a week during the second term, to practical work in the laboratory.

In the Second and Third Years of the Mining Course, instruction will be given in Qualitative and Quantitave Analysis, and Chemistry Students of these years will attend a Course of lectures on either Theoretical or Organic Chemistry. In the Fourth Year Mining Students will devote themselves chiefly to Mineral Analysis and Assaying, while Practical Chemistry Students may substitute Organic Analysis and the preparation of Organic Compounds for these subjects.

The laboratory is open daily (Saturdays excepted) from 9 a.m. to 1 p.m., and from 2 to 5 p.m.

## VI. GEOLOGY.

Professor :—SIR J.W. DAWSON, LL.D., F.R.S. (Logan Professor of Geology)

Assistant Professor :—B.J. HARRINGTON, B.A., PH. D., F.G.S.

SECOND YEAR.—A preliminary Course in Zoology, with special reference to Fossil Animals.

THIRD YEAR.—Mineralogy (Ordinary and Honour), Lithology, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

FOURTH YEAR.—Special Studies in Mineralogy and Lithology, Advanced Course in General Geology and Palæontology, Geology of Canada, Practical Geology and Field-work.

NOTE.—Students in the Mining and Chemistry Courses take the Honour Mineralogy of the Third Year. Mining Students alone take all the subjects of the Fourth Year; Chemistry Students only the Mineralogy and Lithology.

## VII. BOTANY.

Professor :—D. P. PENHALLOW, B.Sc.

*Course.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology

## VIII. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M.A.

The lectures in this course are specially designed to meet the requirements of Students of Applied Science; those in Mechanics being introductory to Applied Mechanics. The subjects are as follows :—

FIRST YEAR:—(1) Euclid, six books. (2) Loci, Transversals, &c. (3) Algebra, to Progression. (4) Plane Trigonometry and the use of Mathematical Tables. (5) Elements of Solid Geometry. (6) Geometrical Conic Sections.

SECOND YEAR.—(1) Algebra continued. (2) Analytical Geometry. (3) Differential and Integral Calculus. (4) Mechanics.

THIRD YEAR.—(1 Mechanics continued. (2) Spherical Trigonometry. (3) Spherical and Practical Astronomy. (4) Revision and continuation of Analytical Geometry and Calculus, with applications to Mechanics, &c.

FOURTH YEAR.—Revision of Analytical Geometry and Calculus.

## IX. EXPERIMENTAL PHYSICS.

Professor :—ALEXANDER JOHNSON, LL.D. (Peter Redpath Professor of Natural Philosophy.)

Students in this Faculty are required to take the course in Experimental Physics provided by the Faculty of Arts.

The subjects for the Session 1889-90 are Light and Heat.

## X. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR :—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature.)

Lecturer.—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

THIRD YEAR —A special course on English Composition.

## XI. FRENCH OR GERMAN.

*French.*—Professor.— P. J. DAREY, M.A.,B.C.L.

*German.*—Lecturer.— P. TOEWS, M.A.

Students of this Faculty are required to take the course in one of these languages provided by the Faculty of Arts.

## XII. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

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## § X. TEXT BOOKS.

*Applied Mechanics:*—Bovey, Cotterill, *Rankine, *Collignon, *Weisbach, Reuleaux.

*Hydraulics:*—Merriman, *Weisbach.

*Machinery, etc.:*—Goodeve (new edition), *Willis, Rankine, Kennedy *Knight, Rose, *Shelley, *Fairbairn, Unwin.

*Heat and Heat Engines:*—Holmes, *Jamieson, *Maxwell, Tait, Wilson, Rankine, Rigg, Marks.

*Moulding and Founding:*—Overman.

*Materials:*—Notes on Building Construction, *Gilmore, Thurston.

*Descriptive Geometry:*—Millar's Descriptive Geometry.

*Surveying:*—Gillespie's Land Surveying (new edition). *Johnson's Surveying.

*Geology:*—Dana's Geology; Dawson's Handbook of Zoology and Lecture Notes on Geology, *Nicholson's Palæontology, *Geological Survey Reports, *Dawson's Acadian Geology.

*Mineralogy:*—Dana's Manual, *Dana's Descriptive Mineralogy.

*Blowpipe Analysis:*—Brush's Determinative Mineralogy and Blowpipe.

*Botany:*—Gray and Bessey.

*Chemistry:*—Remsen's Compounds of Carbon, Thorpe & Muir's Qualitative Chemical Analysis, Fresenius' Manuals of Qualitative and Quantitative Analysis, *Watt's Dictionary of Chemistry, *Roscoe & Schorlemmer's Treatise on Chemistry *Miller's Elements of Chemistry.

N.B.—The Text Book on Chemistry for the First Year will be announced at the commencement of Session 1889-90.

*Metallurgy:*—Greenwood's Manual of Metallurgy.

*Assaying:*—Rickett's Notes on Assaying, Chapman's Assay Notes.

*Mathematics:*—Todhunter's Euclid, Colenso's Algebra (Part 1), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Briggs's Analytic Geometry, Peck's Calculus, Goodeve's Principles of Mechanics, Chambers' Practical Mathematics, Chambers' Mathematical Tables.

* *Books of Reference.*

## TABLE OF LECTURES.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 9 | | | Mathematics. | Mathematics. | Mathematics. |
| | 10 | Mathematics. | Mathematics. | | | |
| | 11 | English. | French. | French. | French. | English. |
| | 12 | Chemistry. | German. | English. | German. | Chemistry. |
| | 2 | | Pract. Chem. (2nd. Term). | * Freehand Drawing. | | Pract. Chem. |
| | 3 | | Do | Do | | Do. |
| Second Year. | 9 | French. | | French. | | French. |
| | 10 | Mechanism. | German. | Mechanism. | { Theor. Chem. { Mathematics. | German. |
| | 11 | Mathematics. | Zoology. | Mathematics. Botany. † | Zoology. | Mathematics. |
| | 12 | Botany. † | Exp. Physics. | | Exp. Physics. | English. |
| | 2 | Pract. Chem. Drawing. | Surveying. | Pract. Chem. ‡ Drawing. | Drawing. Pract. Chem. | Surveying. |
| | 3 | Drawing. | Drawing. | ‡ Drawing. | Do | Drawing. |
| | 4 | Mech. Work Drawing. | Do | Do | Do | Metallurgy. |
| Third Year. | 9 | Mathematics. | Mathematics. | Machinery. Geology | Theory of Structures. | Mineralogy Mineralogy. |
| | 10 | Geology. | French. German. (2) | Mathematics. | French. German. (2) Theor. Chem. | Geology. |
| | 11 | Machines. | English. | German. (3) | Theory of Structures. (Advanced). | German. (3) |
| | 12 | Theory of Structures. | Exp. Physics. | German. | Exp. Physics. | |
| | 2 | Surveying. Pract Chem. | Theory of Structures. Pract. Chem. | { Blowpipe. { Analysis. | Pract. Chem. Surveying. | Pract. Chem. Drawing. |
| | 3 | Drawing. | Drawing. | | Drawing. | Drawing. |
| | 4 | Mech. Work. Drawing. | Drawing. Mining. | | Drawing. | Metallurgy, |

* The Freehand Drawing Class is also held from 9 to 11 on Saturdays.

† For Practical Chemistry Students. ‡ For Mining Students.

## TABLE OF LECTURES—(*Continued.*)

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FOURTH YEAR. | 9 | Mathematics. | Designing. Mathematics | Designing. | Theory of Structures. | Designing. |
| | 10 | Theory of Structures. | Designing. | Do | Machines. | Designing. |
| | 11 | Machines. Geology.* | Do | | Theory of Structures. | Geology.* |
| | 12 | Theory of Structures. | Do | Geology. * | Theory of Structures. (Advanced) | |
| | 2 | Pract. Chem. Assaying. Designing. | Theory of Structures. Pract. Chem. | Pract. Chem. | Pract. Chem. Assaying. Designing | Do |
| | 3 | Do | Hydraulics. (*a*) Steam. (*a*) | Do | Do | Hydraulics.(*a*) Steam.(*a*) |
| | 4 | Do | Do | Do | Do | Metallurgy |

## DECLARATION OF GRADUATES IN APPLIED SCIENCE.

I .... promise and solemnly declare, that I will, with my best endeavours, be careful to maintain the interests of this University, and that to the best of my ability I will promote its honour and dignity.

## SPECIAL ANNOUNCEMENT.

### Course of Lectures on Sanitation. †

Through the liberality of Mr. J. H. Burland, B. A. Sc., the Faculty is enabled to announce the introduction into the curriculum of study of a course of lectures on Sanitation. A series of at least fifteen lectures will be delivered on this subject during the Session of 1889-90, by Mr. R. P. Fleming, M.Can. Soc. C.E.

The lectures will be given on Tuesday evenings, at 8 o'clock, commencing with the first Tuesday in October, and will treat of the following subjects; —

Sewer Gas (*composition and effects*), House Drainage (*outside and inside drains, their size, grade, material, laying, jointing and flushing*), Ventilation of Drains (*fresh air inlet*, &c.), Soil and Water Pipes (*material, joints, ventilation*, &c.), Fixtures, Traps, Tests (*different kinds, their merits and demerits*, &c.).

The lectures will also be illustrated by practical tests on actual drains.

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* For Mining and Chemistry Students. (*a*) Steam during first term; Hydraulics during Second term.

Field work for Students of the 2nd year on Mondays, Tuesdays, Wednesdays, Thursday and Fridays; for Students of the Third Year on Mondays, Wednesdays, Thursdays and Fridays during the months of September and October.

† This course will be compulsory for Students in the First Year of the Faculty of Applied Science.

The lectures during the Session of 1890-91 will treat of the following subjects :—

Different systems of House Drainage, Drainage and Plumbing Designs (*details of the best appliances for cleanliness and simplicity*), Flushing Tanks, Methods of examining existing systems of Drainage and of remodelling them, should they be found defective ; Practical Examinations, Apartment Ventilation, Dampness (*French drains for removal of surface water*, &c.).

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*Fees.*—Medical and Partial Students will be admitted to the lectures on Sanitation on payment of a fee of $6.

Students in Applied Science may attend the course of lectures in Hygiene in the Medical Faculty, on payment of a fee of $6.

# Faculty of Medicine.

THE PRINCIPAL (ex-officio).

*Professors:*

| | | |
|---|---|---|
| WRIGHT, | ROSS, | WILKINS, |
| MACCALLUM, | RODDICK, | PENHALLOW, |
| CRAIK, | GARDNER, | MACDONNELL, |
| FENWICK, | SHEPHERD, | MILES, |
| GIRDWOOD, | BULLER, | CAMERON, |
| | STEWART. | |

*Dean.*—R. CRAIK, M.D.
*Registrar.*—J. STEWART, M.D.
*Librarian.*—F. J. SHEPHERD, M.D.

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The Fifty-Seventh Session of the Faculty will be opened on Tuesday, October 1st, 1889, by an introductory lecture at 3 p.m. The regular lectures will begin on October 2nd, at the hours specified in the time-table, and will be continued for six months.

The Medical School of McGill University was founded in 1824, as the "Medical Institution," by Drs. John Stephenson, Andrew F. Holmes, William Robertson and William Caldwell. In 1829 the Medical Institution became the Medical Faculty of McGill College. There were no Sessions during the political troubles, from 1836 to 1839, and it is owing to this gap that the present is the 57th Session of the Faculty. In reality this is the 61st Session of the School, which is the direct continuation of the Medical Institution.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfilment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as

possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.

Through the great liberality of Sir Donald A. Smith in founding the "Leanchoil Endowment," and of the citizens of Montreal and Medical Graduates in subscribing to the "Campbell Memorial Fund," the Faculty are enabled to conduct and maintain the teaching of the different branches in a high state of efficiency.

## LABORATORIES, &c.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students, and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased. A large reading room, waiting room and cloak room, have been provided for students.

## DISSECTING ROOM.

The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the students, no reasonable expense has been spared.

In connection with the dissecting room, there is a "Bone room," where students have an excellent opportunity of studying osteology. There are also two distinct rooms for the demonstrators of anatomy.

## PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments,—kymographs, various manometers, &c., for demonstrating blood pressure; myographs, rheocords, moist chambers, &c., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion,

as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of students assisting at, and taking part in these demonstrations. During the past session important additions have been made to the physiological laboratory.

## HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well-known makers,—Zeiss, Hartnack and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

## PHARMACOLOGICAL LABORATORY.

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy. It is hoped that before another session passes away, the apparatus necessary for the demonstration of the more important actions of many drugs will be in possession of the Faculty.

## CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus especially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each student without extra charge. The student is only required to pay for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, &c., giving to the student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

### PATHOLOGICAL LABORATORY.

In the Pathological Laboratory accommodation will be provided for students or practitioners who desire to carry on private pathological research.

The recent additions made to the laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose, including sterilizer, thermostat, &c., &c.

The demonstrations in Morbid Anatomy will be given in a small laboratory specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemptions in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.

## I. MATRICULATION.

It is very important that intending Students should bear in mind the following :—

(1.) If residents of Ontario, and desirous of obtaining the license of that Province, they must conform to the regulations regarding the Preliminary Examination, and register before beginning their medical studies.

(2.) If residents of the Province of Quebec, and desirous of obtaining the license of that Province, they must pass the Matriculation Examination of the Quebec Medical Board before beginning their medical studies.

In the event of a resident in the Province of Quebec producing a Certificate of Matriculation from any of the other Provinces of the Dominion, he will be required to make a declaration that he had not obtained it with the object of avoiding the examination of the Quebec Medical Board.

(3.) Residents of the Maritime Provinces, Manitoba, or British Columbia may either pass the Preliminary Examination of their respective Medical Boards or the Matriculation Examination of this University.

### (A).—UNIVERSITY MATRICULATION EXAMINATION.

The Preliminary Examination in General Education of the following Bodies is accepted by the University in lieu of its own Matriculation Examination:

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

Graduates and Matriculates in Arts of all recognized Universities are exempt from matriculation. Any student who is unable to present proof of having passed any one of the above, or other equally satisfactory examination, will be required to undergo the matriculation examination either in Arts or Medicine of this University.

(1) *The matriculatiou in Arts* is held twice yearly: on the 1st of June and following days, and on the 17th of September and following days.

The subjects for examination are Classics, Mathematics and English.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall. Book I.; and Virgil, Æneid, Book I. lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

An equivalent amount of other books or other authors in Latin or Greek than those named may be accepted in the September examination, on application through the Professor of Classics.

(2) *The Medical Matriculation* Examination is the same as that required by the Medical Council of Great Britain.

Examinations in conformity therewith will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Applications may be made to Dr. Howe, the Examiner, till the evening of the previous day. The requirements of the standard for Matriculation are:—(1) English Language, including Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original and Grammar. (5) Elements of Mathematics, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions; (*b*) Algebra, including simple Equations; (*c*) Geometry, including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects:—(*a*) Greek, (*b*) French, (*c*) German, (*d*) Italian, (*e*) any other modern language, (*f*) Logic, (*g*) Botany, (*h*) Elementary Chemistry.

TEXT-BOOKS—Latin: Cicero, in Catilinam II.; or Virgil, Æneid, Bk. I.

GREEK.—Xenophon, Anabasis, Bk. I., or Homer's Iliad, Bk. IV.

FRENCH.—Voltaire's Charles XII., Two Books.

NATURAL PHILOSOPHY.—Ganot's Physics, the Chapters on Statics, Dynamics, Hydrostatics and Heat.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliot's Manual.

### (B).—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF QUEBEC.

LATIN.—Cæsar's Commentaries. Bks. I., II., III., IV., V.—Virgil's Æneid, Bks. I. and II.—The Odes of Horace, Bk. III.

ENGLISH.—Sprague's "Six Selections from Washington Irving's Sketch Book."—A play of Shakespeare, viz., "Henry V." for 1888, and "Coriolanus" for 1889.

FRENCH.—Fénélon's "Aventures de Télemaque."—A French play, viz., Molière, "Le Bourgeois Gentilhomme" for 1888, and La Fontaine's "Fables," Books I., II., III., for 1889.

BELLES LETTRES AND RHETORIC.—Principles of the subject. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, of Elizabeth in England, Louis XIV. in France, and of the 18th century.

HISTORY.—Outlines of the History of Greece and Rome, with particular knowledge of England, France and Canada.

GEOGRAPHY.—A general view, with particular knowledge of England, France and North America.

ARITHMETIC.—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

ALGEBRA.—Must include Fractions and Simultaneous Equations of the First Degree.

GEOMETRY.—Euclid, Books I., II., III., IV. and VI., or the portion of Plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes of regular geometrical figures.

*Optional Subjects.*

GREEK.—Xenophon's Anabasis, Book I.—Homer's Iliad, Book I.

PHYSICS.—Outlines of the subject, as in Ganot's Physics, translated by Atkinson.

PHILOSOPHY.—Elements of Logic and of Moral Philosophy, as in Jevon's Logic and Calderwood's Hand-book of Moral Philosophy.

The Examinations will be held upon the 19th of September, 1889, at Quebec, and on the 9th of May, 1890, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text-books and percentage of marks to be obtained.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College, or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

## (C.)—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.

Every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the 2nd class Teachers' examination, with Latin option; whereupon he shall be entitled to be so registered, upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications and upon paying the fee of twenty dollars.

## § II.—ENREGISTRATION.

*The following are the University Regulations:—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance (except under special circumstances) at the time of enregistration.

## § III.—COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, &c., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory a certificate is given. Prizes are awarded at the end of the Session fo the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the class to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

## PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

The course in practical chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, &c., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticised.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, &c., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

*Laboratory work for Senior Students* :—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, &c. There will be no extra fee for this part of the course.

## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for

teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, JAMES STEWART.

The course on this subject comprises :

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the outdoor clinics. Electro Therapeutics will also be dealt with in this part of the course.

III. The attendance during the summer session of a course on Practical Materia Medica.

## MEDICINE.

PROFESSOR, GEORGE ROSS.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general* laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

## CLINICAL MEDICINE.

PROFESSOR, R. L. MACDONNELL.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with the 3rd year students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and special inducements are offered to every pupil to take part in the physical examination of patients. The mode of conducting investigations, the

use of the microscope, the value of the thermometer and ophthalmoscope, &c., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

## SURGERY.

PROFESSOR, GEO. E. FENWICK.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist, and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

## CLINICAL SURGERY.

PROFESSOR, THOMAS G. RODDICK.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticised, and fresh cases are examined by the senior students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, &c. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

This course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, &c. 2. Bedside instruction in the Montreal

Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for shewing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

## OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on disease of the Eye and the Ear, both Didactic and Clinical. In the former, the general principles of diagnosis and treatment

will be dealt with; in the latter, cases illustrative of the typical forms of ordinary diseases of these organs will be exhibited and explained to the class, and afterwards placed under the special care of gentlemen who may show themselves competent to take charge of them. A course of Operations on the cadaver will be open to such students as may wish to avail themselves of the same.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta · the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, &c., Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.*

## BOTANY.

PROFESSOR, D. P. PENHALLOW.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collection, models and apparatus in the Peter Redpath Museum.†

## ZOOLOGY.

PROFESSOR, SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples, and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum, and to the Museum of the Natural History Society of Montreal.

## PATHOLOGY.

DEMONSTRATOR, W. G. JOHNSTON.

*This Course comprises:—*

1. Twenty-five lectures on General Pathology to Students of the 3rd year.

*Students may attend the Lectures on Sanitation in the Faculty of Applied Science:—Fee $6.

†Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year.

2. Weekly Pathological Demonstrations to Students of the third year. The gross and microscopic appearances of specimens collected during the week are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post-mortems are performed by the students in rotation under his direction, and systematic demonstrations of post-mortem methods, including those to be followed in Medico-Legal cases, will also be given.

### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins, who will have Dr. Johnston, the Lecturer on Pathology, associated with him. It is intended especially for teaching the *technique* of Microscopy. Students will be shown how to examine blood, etc., fresh specimens and morbid products, also to cut, stain and mount specimens. For this purpose they will have furnished them both normal and diseased structures with which they will be able to secure a cabinet of at least 100 specimens. Everything except over-glasses and cabinet cases provided. Fee $12.00.

### EXTRACTS FROM THE UNIVERSITY REGULATIONS WITH RESPECT TO THE COURSES OF LECTURES.

1st. Each Professor shall deliver at least five Lectures during the week, except in Medical Jurisprudence and Botany, if extended through six months, in which case three Lectures a week will suffice.

2nd. Every Lecture shall be of one hour's duration.

3rd. Every Professor shall occasionally examine his class upon the subjects treated of in his preceding Lectures, and every such examination shall be considered as a Lecture.

4th. A roll of the names of the Students attending such class shall be called from time to time.

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## § IV.—QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine :—

1st. No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures

for a period of at least four six months' sessions and one three months' summer session* in this University, or some other University, College or School of Medicine, approved of by this University.

2nd. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz.:—

| | |
|---|---|
| Anatomy. | Of which Two Courses will be required of Six Months' duration. |
| Practical Anatomy. | |
| Physiology. | |
| Chemistry. | |
| Materia Medica and Therapeutics. | |
| Principles and Practice of Surgery. | |
| Midwifery and Diseases of Women and Children. | |
| Theory and Practice of Medicine. | |
| Clinical Medicine. | |
| Clinical Surgery. | |
| Medical Jurisprudence. | Of which One Course of Six Months, or Two Courses of Three Months will be required. |
| Practical Chemistry. | Of which One Course will be required of Three Months' duration. |
| Botany or Zoology. | |
| Hygiene. | |
| Histology. | Ten Lectures and Twenty-five Demonstrations. |
| General Pathology. | Twenty-five Lectures. |

*Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.*

3rd. The Candidates must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months.

4th. He must also give proof by ticket of having attended for at least six months the practice of the University or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

5th. No one will be permitted to become a Candidate for examination who shall not have attended at least one Session of this University, and one full course of all the branches included in its curriculum.

6th. Courses of less length than the above will only be received for the time over which they have extended.

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*To be taken after 3rd Winter Session.

7th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

8th. Candidates who fail to present themselves for or to pass in any of the subjects of the first two years, will be granted a supplemental examination at the beginning of the following session.

9th. No candidate will be permitted to proceed with the work of the final year, until he has passed all the subjects comprised in the Primary Examination.

10th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

11th. The requirements for the summer session, when as at present taken after the third winter session, shall be :—

(*a*) Daily Hospital attendance ;

(*b*) Maternity attendance ; and

(*c*) Any two weekly clinics, in addition to the clinics on General Medicine and Surgery.

12th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate :—

MONTREAL, ——— 18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise), that I shall have attained the age of twenty-one years before the next graduation day, and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed) A. B.

13th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

14th. The following Oath or affirmation will be exacted from the Candidate before receiving his degree :—

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A—— B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo ;— me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum ; tum porro artem medicam caute, caste, et probe exercitaturum ; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, none sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

15th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

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## § V.—EXAMINATIONS.

Weekly examinations are held to test the progress of the Student ; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows :—

FIRST YEAR.

*Pass Examination* in BOTANY and HISTOLOGY.

*Sessional Examination* in ANATOMY, CHEMISTRY, and PHYSIOLOGY.

A maximum of one hundred marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

SECOND YEAR.

*Pass Examination* in ANATOMY, CHEMISTRY, PRACTICAL CHEMISTRY and PHYSIOLOGY.

*Sessional Examination* in PHARMACOLOGY and THERAPEUTICS.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

THIRD YEAR.

*Pass Examination* in PHARMACOLOGY and THERAPEUTICS, MEDICAL JURISPRUDENCE, HYGIENE* and PATHOLOGY.

* The examinations in Hygiene are held at the close of the summer session.

FOURTH YEAR.

*Pass Examination* in MEDICINE, SURGERY, OBSTETRICS, CLINICAL MEDICINE, CLINICAL SURGERY.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

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## § VI.—MEDALS AND PRIZES.

1st. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the hightest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medalist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, Books to the value of $25.00.

## § VII.—FEES.

The total collegiate fees for all students entering on and after the first of October, 1889, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer session, and if the student elects to attend the two other summer sessions of his course, he can do so without further payment.

*All fees are payable in advance, to the Registrar, and except by permission of the Faculty will not be received later than 1st November.*

*It is suggested to parents or guardians of students that the fees be transmitted direct by cheque or P. O. Order, to the Registrar, who will furnish official receipts.*

## § VIII.—TEXT BOOKS.

(*Prices current in Montreal.*)

ANATOMY.—Gray, $6; Wilson, $4; Quain (Eng. Ed.), $9.75.

PRACTICAL ANATOMY.—Heath's Dissector, $4.50; Holden's Dissector, $5; and Landmark's, $1; Ellis' Demonstrations.

PHYSICS.—Balfour Stewart, $1.35.

INORGANIC CHEMISTRY.—Millar, $1; Wurtz's Elementary Chemistry, $1.

ORGANIC CHEMISTRY.—Armstrong, $1.

PRACTICAL CHEMISTRY.—Odling, $1 75; Galloway, Fresenius, $5.

PHARMACOLOGY and THERAPEUTICS.—Wood, $6; Lauder Brunton, $6; Whitla, $3.50; and Bruce, $1.50.

PHYSIOLOGY.—Huxley's *Elementary Lessons*, $1.35; Foster, $3.25; Prof. Mills Text-Book of Physiology (in the Press) and Outlines of Lectures.

PATHOLOGY.—Orth's Diagnosis in Pathology, $3.50.

HISTOLOGY.—Klein's Elements, $1.50; Schäer's Essentials of Histology, $2.25.

SURGERY.—Holme's Surgery (Eng. Ed.), $9; Erichsen, $9; Druitt, $4.25; Bryant, $6.50; Treves, $6.00.

PRACTICE OF MEDICINE.—Flint, $5.50; Roberts, $5; Bristowe, $5; DaCosta, $6; Fagge, $10; Quain's Dictionary.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Graham Brown's Manual of Diagnosis, $3.25; Finlayson's Clinical Manual, $2.60; Flint on Auscultation and Percussion, $1.60; and Loomis on Physical Diagnosis, $3.00.

MEDICAL JURISPRUDENCE.—Husband, $3.25; Guy and Ferrier, $3.75; Reese, $3.00.

MIDWIFERY.—Lusk, $5; Galabin, $3.

GYNÆCOLOGY.—Edis, $3; Goodell's Lessons, $4; Hart and Barbour's Manual, $7.50; Thornburn, $7.50.

HYGIENE.—Parks, $5.50; Wilson (Eng. Ed.), $3.25.

BOTANY.—Gray's Text-Book of Histology and Physiology, $2.25.

ZOOLOGY.—Sir William Dawson's Handbook of Canadian Zoology, $1.25.

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## § IX.—MUSEUM.

CURATOR, W. R. SUTHERLAND, M. D.

For the past fifty years, the rich Pathological Material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare condition as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax, illustrating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, fœtal circulation, &c., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, &c.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition of the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been obtained during the last session :—

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts taken from the celebrated frozen sections of Professors His and Braune of Leipsig. These preparations have been placed in the Museum, so that they can be constantly consulted by the Students.

(4) (*a*) A complete set of Steger's brain sections.

(*b*) Set of hardened brains with the various lobes, convolutions, ganglia, &c., in different colors.

(*c*) Models of the cerebro-spinal and sympathetic nervous systems.

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## § X.—LIBRARY.

The Library of the Medical Faculty now comprises upwards of ten thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of $5, which is refunded on returning the volumes.

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## § XI.—M'GILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical Journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

## § XII.—COST OF LIVING, &c.

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from $15 to $20 per month. A list of boarding houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.

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## § XIII.—HOSPITALS.

### *Montreal General Hospital.*

The Montreal General Hospital is the most extensive clinical field in the Dominion. A much larger number of in-door and out-door patients receive treatment there than in any other Canadian Hospital. Last year's report shows that 2,565 Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23.6 days.

The large number of out-door patients that are treated in the Hospital—upwards of 30,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments, which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by Specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department: one for diseases of children and the other for the diseases of the nervous system.

CLINICAL CLERKS in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted him. The holding of one of these offices is found to be of the greatest possible advantage to Students, as affording a true *practical* training for his future professional life. They will be awarded on application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Surgical wards and to the Out-door Department. For these appointments, application is to be made to the Professor of Clinical Surgery, and to the Assistant Surgeons.

The Operating Room (used also for a lecture room) is so constructed as to enable the Students to obtain a good view of the operations.

*Montreal Dispensary,*

ST. ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending Physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session, and from 4 to 6 p.m. during the summer session.

*The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. They are advised to take their clinical midwifery as much as possible during the summer session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to students who contemplate presenting themselves for British qualifications. Two resident Accoucheurs are appointed yearly from the graduating class to hold office for a period of six months each. By

an arrangement with the authorities of the Montreal General Hospital, one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

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## § XIV.—STUDENTS' APPOINTMENTS.

General Hospitcal—Five Resident Medical Officers.
Clinical Clerk, Gynæcology.
" " Laryngology.
" " Diseases of Children.
" " Dermatology.
" " Diseases of Nervous System.
University Maternity.—Two Resident Medical Officers.
Out-door Dressers.
Dressers in Eye and Ear Department.
Surgical Dressers (In-door).
Medical Clinical Clerks.
Post-mortem Clerks.
Student Demonstrators of Anatomy, 4 third-year Students.
Prosectors to Chair of Anatomy, 2.
Assistants in Practical Histology Course, 2.
Assistants in Practical Physiology Course, 4.
Assistants in Practical Chemistry, 2.

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## § XV.—RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

4. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing from prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

## TIME TABLE—FIRST AND SECOND YEARS, 1889-90.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Anatomy Examination. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Physiology, 2nd Year. |
| 10 | * Practical Chemistry. 2nd Year. till 12 o'clock. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry. 2nd Year. | Practical Chemistry. Botany, 1st Year. | Practical Chemistry. 2nd Year. | Practical Chemistry. Practical Physiology. Histology Demonstration. |
| 11 | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. Zoology. | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. Zoology. | Out-Patients, Montreal Gen'l Hospital. |
| P.M. 2 | Physiology Examination, 2nd Year. | Physiology. 2nd Year. | Physiology. 2nd Year. | Physiology, 1st Year. | Physiology, 1st and 2nd Years. | |
| 3 | Chemistry. Examination. | Chemistry. | Chemistry. | Chemistry. | Chemistry. | |
| 4 | Therapeutics Examination. Physiology, 1st Year. | Therapeutics. Physiology, 1st Year. | Therapeutics. Physiology, 1st Year. | Therapeutics. | Therapeutics. Histology Lectures, 1st Year. | |
| 4 to 6 | | Practical Histology. | | Practical Histology. | | |
| A.M. 10 to 12 | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. |

N.B.—The Demonstrator's Hours in the Dissecting Room from 10–12 a.m., and from 8–10 p.m. * Until Christmas only.

## TIME TABLE—THIRD AND FOURTH YEARS, 1889–90.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Midwifery. | Gynæcology. | Midwifery. | Gynæcology. | Midwifery. | |
| 10 | Surgery. Examination. | Surgery. | Surgery. | Surgery. | Surgery. | Morbid Anatomy. Demonstrations. |
| 11 | Practice of Medicine. Examination. | Practice of Medicine. | Practice of Medicine. | Practice of Medicine. | Practice of Medicine. | |
| P.M. 1–2.30 | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic, 3rd Year. | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic, 3rd Year. | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic, 3rd Year. |
| 1 | | Clinic on Diseases of Children. | | Clinic on Diseases of Children. | | Clinic on Diseases of Children. |
| 2 | | | | | Skin Clinic. | |
| 2.30 | | | Neurological Clinic. | | | |
| 2.30 | Ophthalmic Clinic. | | Ophthalmic Clinic. | | Ophthalmic Clinic. | |
| 4 | Therapeutics Examination. | Therapeutics. | Therapeutics. | Therapeutics. | Therapeutics. | |
| 4 | Gynæcological Clinic. | General Pathology. | Gynæcological Clinic. | Lecture on Ophthalmology. | Gynæcological Clinic. | |

Autopsies are performed at the General Hospital between 12 and 2 p.m.

# Faculty of Law.

THE PRINCIPAL (Ex-officio).

Professors :—LAFLAMME.*
TRENHOLME.
WURTELE.*
RAINVILLE.*
ARCHIBALD.

Professors :—LAREAU.
HUTCHINSON.
ROBIDOUX.
DAVIDSON.
MCGOUN.

Dean of Faculty.—Professor N. W. TRENHOLME, M.A., D.C.L.

Registrar of the Faculty.—ARCH. MCGOUN, M.A., B.C.L.

Corporation Examiners for Degrees.—Professors N. W. TRENHOLME, M.A., D.C.L., and EDMOND LAREAU, D.C.L.

Matriculation Examiners of the Faculty.—Professors J. S. ARCHIBALD, M.A., D.C.L., and EDMOND LAREAU, D.C.L.

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The classes in Law will begin with an opening lecture in the public Hall of the Fraser Institute, on Tuesday, the first of October, 1889.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on Wednesday, 25th September.

The Lectures will be delivered in the same Rooms in two terms, the first extending from Wednesday, 2nd October, 1889, to Friday, 13th December, 1889, and the second from Monday, 6th January, 1890, to Friday, 28th March, 1890. Any lectures omitted may be given between the latter date and the 10th April.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the Session.

The complete course of study in this Faculty extends over three years; but it may be shortened to two years, when the student matriculates in the third year of his indentures.

Students who avail themselves of the privilege of attending two

* Professors emeriti.

years only, will, nevertheless, be required to pass an examination in the subjects comprised in the three years' course.

Matriculated students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation, for attendance on any particular series of Lectures.

Students who have completed their course of three years,—or of two years, if they have commenced in the third year of their indentures,—and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

## COURSE OF STUDY FOR 1889-90.

*Civil Law :*

Persons, Property, Ownership, Gifts and Wills, Substitutions, Marriage covenants — Professor ROBIDOUX.

*Roman Law :*

History of Roman Law; Institutes of Justinian, Bk. I., Bk. II., and Bk. III. to Title 14. — Professor HUTCHINSON.

*Civil Procedure :*

Code of Procedure, Arts. 483 to 899 — Professor MCGOUN.

*Constitutional Law* — Professor ARCHIBALD.

*Civil Law :*

Lease and Hire, Life Rents, Transaction, Gaming Contracts, Suretyship, Pledge — Professor LAREAU.

*Commercial Law :*

Merchant Shipping, Affreightment, Bills Lading, Insurance — Professor TRENHOLME.

*Commercial Law :*

Bills and Notes — Professor DAVIDSON.

## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Dean of the Faculty Prof. Trenholme, Temple Building, St James St., or the Registrar Prof. McGoun, 181 St James St., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. Candidates for Matriculation shall pass an examination, satisfactory to the Faculty of Law, in Latin, French, English, Mathematics, and Ancient and Modern History, and the books upon which such examination shall be had shall be from time to time fixed by the Faculty.

The books at present prescribed are the following :

*Latin.*—Virgil, Æneid, Book I. ; Cicero, Orations I. and II. against Catiline Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires ;" *Molière, "Le Bourgeois Gentilhomme ;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic ; Algebra to the end of simple equations ; Euclid, Books I., II., III.

*History.*—White's Outline of Universal History (or any equivalent manual), *Green's Short History of the English People ; Miles' School History of Canada ; † Duruy, Histoire de France.

*Literature.*—*Collier's Biographical History of English Literature ; † Laharpe, Cours de Littérature ; † Lefranc, Cours de Littérature.

*Rhetoric.*—Whately's Rhetoric ; Blair's Lectures (small edition).

*Philosophy.*—*Whately's Logic ; † Logique de Port Royal ; † Cousin, Histoires de la Philosophie ; *Stewart's Outline of Moral Philosophy.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The Register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a

special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended Collegiate courses of study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct:—

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted; and the said class-book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations; and the Faculty shall, after examination of such class-book, decide which students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class-rooms, or elsewhere in the building, will admonish the student; and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

(4) Any student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 10th of April following.

Unless altered by the Faculty, four professors shall deliver their courses of lectures during the first term, and three during the second term in each year. Each professor shall lecture daily during his course; but the Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such students and those of the Students regularly attending Lectures. No student shall pass for the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been improved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Registrar of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him compete, shall take the highest marks in a special Examination for the medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in this Faculty are as follows :

| | |
|---|---|
| Matriculation Fee | $ 5 00 |
| Sessional Fee by Ordinary Students | 36 00 |
| Sessional Fee by Occasional or Partial Students, for each course | 5 00 |
| Graduation Fee, including registration as voter in election of fellows | 12 50 |
| Additional fee for Notarial Students | 10 00 |

Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than $3, Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. The Course of Lectures upon the Theory and Practice of Notarial Deeds and Proceedings is optional to candidates for the profession of law, but is compulsory upon candidates for the Notarial profession ; the latter may omit the subject of Civil Procedure.

17. Notarial students shall rank for general standing upon their examination in the notarial class, and failure to pass such examination shall have the same effect as failure in any other compulsory subject.

18. Occasional students may be admitted into said class on such terms as shall be arranged by the Faculty.

19. Every Candidate for the Degree of D.C.L. in course, under Chap. VIII., Section 4, of the Statutes of the University, shall be required to pass within four years from his graduation as B.C.L, such examination as shall be prescribed by the regulations of the Faculty of Law ; unless he shall have graduated as a B.A. of this University, either in Course or *ad eundem*. And not less than two months before proceeding to the Degree of D.C.L., the Candidate shall deliver to the Faculty of Law twenty-five printed copies of a Thesis or Treatise upon a subject selected or approved by the Faculty ; such Thesis to contain not less than twenty-

five octavo pages of printed matter, and possessing such degree of literary and scientific merit as shall, in the opinion of the Faculty, justify them in recommending him for that Degree. And in addition to the foregoing qualifications, the Candidate shall pay to the Secretary of the Faculty annually during term, for the retention of his name on the Books of the Faculty, during the said period of twelve years, a fee of two dollars, to be added to the Library Fund of the Faculty.

Except as regards the Thesis, this regulation applies only to those who have taken the Degree of B.C.L. subsequently to October, 1873. The examination under the above rule is as follows:

(1) *International Law:*

Phillimore: Wharton, Conflict of Law; Fœlix, Droit International Privé.

(2) *Roman Law:—*

Gaii Commentarii, IV.; Pauli Sententiæ; Pomponii Fragmentum de origine juris, D. 1, 2; Novellæ Justiniani, cxxviii. cxxvii.; Ortolan, Institute de Justinien, Vol. i.; Mommsen's History of Rome.

(3) *Constiutional Law:—*

Hallam, Constitutional History of England; May, Constitutional Historys of England; Mill, Representative Government; The British North America Act, and cases thereunder.

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## SYLLABUS.

Monday, 16th September, 1889, meeting of Faculty of Law.
Wednesday, 25th September. Supplemental and Matriculation Examinations, 4 to 6 p.m.
Saturday, 28th September. Meeting of Faculty o Law.
Tuesday, 1st October, 1889. Opening lecture, 8 p.m.
Wednesday, 2nd October. Ordinary Lectures, First Term, begin as follows:—

| | |
|---|---|
| 8.30 a.m. | Prof. Hutchinson |
| 4 p.m. | " Robidoux |
| 4.45 " | " Lareau |
| 5.30 " | " Trenholme |

Extending to Friday, 13 December, 1889.

*Christmas Examinations as follows:—*

Wednesday, 18th Dec., 1889, 4 to 6 p.m., Prof. Hutchinson.
Thursday, 19th Dec., 1889, 4 to 6 p.m., Prof. Robidoux.
Friday, 20th Dec., 1889, 4 to 6 p.m., Prof. Lareau.
Saturday, 21st Dec., 1889, 3 to 5 p.m., Prof. Trenholme.

Monday, 6th January, 1890. Lectures, Second Term, begin, as follows :—

8.30 a.m. Prof. McGoun
4.45 p.m. " Davidson.
5.30 " " Archibald.

Extending to Friday 28th March, 1890.

Saturday, March, 1st.—Theses for degree of B.C.L.

Saturday. April, 5.—Meeting of Faculty of Law.

*Sessional Examinations, as follow :—*

Saturday, 12th April, 1890, 3 to 5 p.m., Prof. McGoun.

Friday, 18th, 4 to 6 p.m. Prof. Davidson.

Saturday, 19th, 3 to 5 p.m., Prof. Archibald.

Friday, 25th April. Meeting of Faculty of Law.

Saturday, 26th April, Declaration of Results of Examination.

Tuesday, 29th April, Convocation for degrees in Law.

# University School Examinations.

1890.

UNDER THE SUPERINTENDENCE OF MCGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE, AND RECOGNISED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls, from any Canadian School.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

| | | |
|---|---|---|
| *English Reading* | 30 | *Marks.* |
| *Writing* | 30 | do |
| *English Dictation* | 50 | do |
| *English Grammar including easy Analysis* | 50 | do |
| *Arithmetic* (all the ordinary rules, including square root) | 100 | do |
| *Geography* (acquaintance with the maps of each of the four continents, and of British North America) | 50 | do |
| *British History* and *Canadian History* | 50 | do |

The Candidates will also be examined in the Gospels, unless objection be made thereto by their parents or guardians, and creditable answering in the same will be mentioned in the Certificate.

#### II. OPTIONAL SUBJECTS.

#### Section I. Languages.

*Latin* :—

Cæsar.—Bell. Gall. Bk. I.
Virgil.—Æneid, Bk. I. lines 1–300.
Cicero.—In Catilinam, Oratt. I. and II.
} 150 marks.

*Greek* :—

Xenophon.—Anabasis, Bk. I.
Homer.—Iliad, Bk. IV.
} 150 do

*French* :—

Grammar, Dictation.
Darey's Lectures Françaises (selected extracts).
Re-translation, English into French.
} 120 do

*German* :—

| | | |
|---|---|---|
| Grammar.<br>Adler's Reader, Sections I. and II.<br>Translation from German into English. | 120 | do |

## Section 2. Mathematics, Natural Philosophy, &c.

| | | |
|---|---|---|
| *Geometry* :—<br>Euclid, I., II., III..... | 150 | do |
| *Algebra* :—<br>Elementary Rules, Involution, Evolution, Fractions, Simple Equations. | 150 | do |
| *Plane Trigonometry.*<br>(As in Hamblin Smith, pp. 1-100, omitting Ch. XI.). | 100 | do |
| *Natural Philosophy.*<br>Mechanics and Hydrostatics (as in any ordinary School Text Book). | 100 | do |
| *Geometrical and Freehand Drawing*..... .....<br>*Geometrical.*—Vere Foster $R^1$, $R^2$, $R^3$, problems 119 to 129.<br>*Freehand.*—Rules of Perspective. Drawing from the object. | 100 | do |

## Section 3. English.

| | | |
|---|---|---|
| *The English Language.*<br>Mason's Grammar, including derivation and omitting appendix.<br>Trench's Study of Words. | 120 | do |
| *English Literature.*<br>English Literature, Primer by S. A. Brooke.*<br>Shakespeare, Julius Cæsar.<br>Scott's Lady of the Lake. | 120 | do |
| *History.*—(As in Primers of Greece and Rome, and either of the following, namely: Collier's great Events, or MacLear's Old and New Testament History). | | |
| *Geography.*—Physical, Political and Commercial ..... ..... | 100 | do |

## Section 4. Natural Science, &c.

| | | |
|---|---|---|
| *Zoology* (as in Nicholson's Introductory Text-Book)..... | 100 | do |
| *Botany* (as in Gray's "How Plants Grow")..... ..... | 100 | do |
| *Geology* (as in Dana's Text Book)..... ..... ... | 100 | do |
| *Chemistry* (as in Remsen's Elements of Chemistry, pp. 1 to 160) | 100 | do |
| *Physiology and Hygiene*..... ..... ..... ..... | 100 | do |

* For 1890 only.

## GENERAL REGULATIONS.

1. For the Certificate of ASSOCIATE IN ARTS, Candidates must pass in all the seven Preliminary Subjects, and also in the Optional Subjects contained in one of the three following groups :

*First.*—(*a*) Two Subjects of Section 1, one of them being Latin or Greek. (*b*) Geometry or Algebra of Section 2. (*c*) Two of the nine Subjects of Sections 3 and 4.

*Second.*—(*a*) French and German of Section 1. (*b*) Geometry or Algebra of Section 2. (*c*) Two Subjects of Section 3. (*d*) One Subject of Section 4.

*Third.*—(*a*) One Subject of Section 1. (*b*) Two Subjects of Section 2. (*c*) Three of the nine Subjects of Sections 3 and 4.

2. For the JUNIOR CERTIFICATE, Candidates must pass in all the seven Preliminary Subjects and also in the following Optional Subjects :

(*a*) One Subject of Section 1. (*b*) One Subject of Section 2. (*c*) One of the nine Subjects of Sections 3 and 4.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least *one-third* (and, in the case of Reading and Dictation, *two-thirds*) of the total number of marks obtainable in that subject.

4. The total number of Marks gained by every Candidate, in both the preliminary Subjects (except Reading and the Gospels) and Optional Subjects, shall be added up, and the Candidates arranged in order of merit in a printed list, at the close of the Examination ; those who are over 18 years of age on the first day of the examination being in a separate list. No marks in any subject shall be counted, unless the Candidate has gained at least the minimum number of marks required for passing in that subject. The marks in not more than three subjects of section 1, three subjects of section 2, and three subjects selected from sections 3 and 4, will be counted. Candidates taking one classical and one modern language may, instead of a third language, take an additional subject of section 4, with Geometrical or Freehand Drawing (150 marks in the aggregate). Candidates who take two modern languages may take an additional subject of section 4, with drawing as above, to be reckoned at 180 marks. Candidates taking one subject only of section 1 may take four subjects selected from sections 3 and 4.

5. Candidates who obtain at least *two-thirds* of the marks in any Optional Subject will be entitled to a Certificate of creditable answering in that Subject, provided they satisfy the conditions for either Associate in Acts or Junior Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science.

7. Candidates who fail, or who may be prevented by illness from completing their examinations, may come up at the next examination without extra fee.

8. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

9. The examinations will begin on Monday, June 2nd, at 9 a.m.

10. Lists of the names, ages, and Optional Subjects to be taken by the candidates, together with the fee of $4 for each Candidate, must be transmitted to the Secretary of McGill University on or before May 1st. (Blank forms and copies of the Regulations will be furnished on application.)

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Extracts from Darey's Lectures Françaises, for the examination of 1890.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68, 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156, 158, 162, 166, 169, 176, 179, 182, 196, 215.

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EXTRACT FROM THE REGULATIONS OF THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION OF THE PROVINCE OF QUEBEC.

The examination papers for the University School Examinations shall be adopted for Grade III. of the Academies. The pupils of this grade shall be examined in the preliminary subjects, and in Group A, or Group B, of the optional subjects, as follows :—

| OBLIGATORY. | OPTIONAL. | |
|---|---|---|
| PRELIMINARY. | GROUP A. | GROUP B. |
| 1. Reading | 1. Latin | 1. French. |
| 2. Writing | 2. Greek, or Botany, or Chemistry | 2. Geometry. |
| 3. Dictation | 3. Geometry | 3. Algebra. |
| 4. Grammar | 4. Algebra | 4. Trigonometry or Drawing. |
| 5. Arithmetic | 5. Drawing | 5. English Literature. |
| 6. Geography (Elementary) | 6. English Literature | 6. History. |
| 7. British and Canadian History | 7. History | 7. Physiology and Hygiene. |
| | 8. French | 8. Botany or Chemistry. |
| | 9. Physiology and Hygiene | |

The examination of Grade III. Academies shall be in accordance with the standard prescribed in the authorized course of study for that grade, and on passing in the same the pupils shall be recommended to the Universities for the title of Associates in Arts or for Junior Certificates.

NOTE.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee, but in order to obtain the certificate from the Universities, the prescribed fees, viz.: $4.00 for A. A. certificates, and $2.00 for junior certificates, must be paid to the Secretary of the University Examiners.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the Rev. E. I. Rexford, Secretary, Department of Public Instruction, Quebec.

# McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, and for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

### Government of the School.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the Committee of the Normal School for the Session of 1889–90.

### NORMAL SCHOOL COMMITTEE.

Sir Wm. Dawson, C.M.G., LL.D., F.R.S., Vice-Chancellor of the University, *Chairman.*

Mr. Samuel Finley.
Mr. George Hague. } Governors of McGill College.

Rev. George Cornish, LL.D.
J. R. Dougall, M.A. } Fellows of McGill University.

W. F. Brakenridge, B.C.L., *Acting Secretary.*

## OFFICERS OF INSTRUCTION.

### McGILL NORMAL SCHOOL.

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SAMPSON PAUL ROBINS, M.A., LL.D., *Principal and Ordinary Professor of Mathematics and Lecturer on Art of Teaching and Natural Science.*

GEORGE W. PARMELEE, ESQ., *Ordinary Professor of English Language and Literature, and Instructor in Classics.*

MADAME SOPHIE CORNU, *Professor of French.*

MR. R. J. FOWLER, *Instructor in Music.*

——— *Instructor in Elocution.*

MISS GREEN, *Instructor in Drawing.*

MISS ROBINS, *Assistant to the Principal.*

MR. W. H. SMITH, *Instructor in Tonic Sol-Fa.*

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

MR. THOS. B. SMILEY, *Head Master of Boys' School.*

MISS JANE A. SWALLOW, *Head Mistress of Girls' School.*

MISS LUCY H. DERICK, *Head Mistress of Primary School.*

## ANNOUNCEMENT FOR THE SESSION 1889-90.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-fourth Session of this school will commence on the second of September, 1889, and close on the thirtieth of May, 1890, The complete course of study extends over four years, and the Students are graded as follows :—

1.—*Elementary School Class.*—Studying for the Elementary School Diploma.

2.—*Model School Class.*—Studying for the Model School Diploma.

3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

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### I. TERMS OF ADMISSION.

(*Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.*)

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography, and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A. A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted up to but not later than the close of the Christmas vacation. No teacher-in-training so admitted later than the first of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit on trial to the classes persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the school by the Principal whenever he may judge it best so to do; but none shall be permitted to enter or to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*See Note c.*)

## II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examination, the sum of $400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of $800 will be divided at the close of the sessional examinations. The

remainder of the bursary fund will be divided as an allowance for travelling expenses among Teachers-in-training residing in the Province of Quebec, at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none others shall be entitled to this privilege, nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations in the Normal Schools, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching the standards defined above shall be entitled to admission to the Model School Class; none others, without the special permission of the Principal. Such holders of Elementary School diplomas, as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may be examined either at the examinations for the Associate in Arts in June,

or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be from time to time arranged by the Principal in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto after teaching for a time, in order to take the degree of Bachelor of Arts; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School, who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations,

with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training who do not attain the standard defined above must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemptions from fees in the second year will be granted to the three students entering from the Normal School who, with creditable standing in all their examinations at the close of the first year in Arts, have taken the highest aggregate of marks of any Normal School Students of their year.

IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, or keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled. (*See Note c.*)

Each professor shall have the power of excluding from his lectures any student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal.

V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction, each student will be required to attend public worship at his own church at least once every Sunday.

## VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence; and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging-houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging-house keepers are required to report, as soon as possible, all cases of serious illness, and all infractions of rules touching boarding-houses.

## VII. ACADEMY DIPLOMAS.

*Granted under the regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin and Greek in the Degree Examinations, or

who have taken at least second class standing in Latin and Greek at their Intermediate Examination, shall be entitled to receive first class Academy diplomas, provided that they have also taken either (*a*) the regular course in the Art of Teaching at the McGill Normal School (or other public training institution outside the Province approved by the Protestant Committee), or (*b*) a first class standing in the special professional examination provided for such graduates by the McGill Normal School. Such aforesaid graduates as take only second class standing in the special professional examination of the foregoing sub-section (*b*) shall be entitled to second class Academy diplomas only.

Teachers taking Academy diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas, otherwise their diplomas shall be second class.

Teachers who hold (*a*) Academy diplomas granted before the first July, 1886, or (*b*) second class Academy diploma granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (*a*) the requisite certificates of age and of good moral character according to Form No. 1, and (*b*) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction, for an Academy diploma of the class to which he is entitled under these regulations.

The examination of Bachelors of Arts and of members of graduating classes, who are candidates for Academy diplomas, shall be held in the McGill Normal School, on or after the 15th of May each year, and the results shall be declared at the close of the Normal School Session in May. (*See Note f.*)

The Principal of the school is authorized to send examination papers, based on the syllabus given in Reg. 59, to the University of Bishop's College for the use of students in the graduating class, and such students shall receive their diplomas on their graduating.

The period of study in the Model School for such candidates shall be fixed from time to time by the Principal, and shall extend over at least four weeks. * Candidates who produce certificates that they have taught successfully for at least one year may be exempted from attendance at the Model School.

The results of the examination must show that the candidate has a competent knowledge :

1. Of the School Laws of the Province and of the regulations made by the Protestant Committee of the Council of Public Instruction, in so far as these refer to the duties of teachers.

2. Of the aim and possible attainment of school life, of the annual progress to be expected, of the best classification and the best arrangement of school duties tending to this end, and of the mode of recording all facts representing the attendance and progress of pupils that may be necessary.

3. Of discipline, and, in relation to it, the teacher, the parents, the pupils, rewards, punishments, and the formation of the habit of instinctive obedience.

4. Of the best methods of imparting knowledge ; how to fix it in the memory, how rightly to govern a class in receiving knowledge, and how to conduct a successful class recitation, together with the methods of instruction in each important branch of school work.

5. Of methods of using books aright, and of investigating truth by weighing evidence and by using the senses as instruments of research.

6. Of the physical, mental and moral constitution of the child, and the demands that society will hereafter make upon him.

To prepare for such an examination, the candidate should carefully weigh his own experiences as a learner, should closely examine the methods in vogue in a good school, and should add to the impressions received from his general reading the results of studying the text-books on School Management and School Methods, prescribed for the Academy diploma, a thorough knowledge of which will be required.

* Bachelors of Arts will observe that the Principal of the Normal School has no power to dispense with this condition. Students in Arts about to graduate, and desirous of securing the Academy diploma of the Normal School, are recommended to arrange with the Principal for fulfilling this condition during the earlier part of the Session.

These books are Baldwin's Art of School Management and Gladman's School Methods.

FORM No. 1.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing..... for the .....last past, that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man.*"

*This certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners or Trustees or Visitors.*

## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the By-Laws of the McGill Normal School.*

(*a*) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some public School in the Province of Quebec.

(*b*) Teachers-in-training admitted to the Elementary Shool class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals and in the division of words into syllables, to give the names and state the position of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, and rivers, and of the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(*c*) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school, or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied in case of failure of health by medical certificates.

(*d*) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in-training of the Model School class who passes for the diploma, and takes the highest aggregate of marks at the final examination of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination, shall determine to whom this medal shall be awarded.

(*e*) In order to be recognized as teachers-in-training for the Academy diploma, students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts. Having entered college, they must report to the Principal of the Normal School from time to time as he may require; and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(*f*) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(*g*) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from $12 to $16 per month.

## IX. COURSE OF STUDY.

N. B.—The subjoined Course of Study has been designed, and all instruction in it is given, with express reference to the work of teaching.

In addition to the work of the School carried on by its regular professors, as detailed in the subjoined course of study, arrangements have been made by which lectures on School Law will be delivered by Rev. E. I. Rexford, B. A., Secretary of the Department of Public Instruction; on Botany, by Professor Penhallow, B. Sc.; and on Physiology and Hygiene by Thomas Reed, Esq., M. D.

### I. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms, as follows :—

FIRST TERM, from September 1st to December 3rd.

(*Entrance examination as stated above*).

*English.*—The structure of sentences. Orthography and orthoepy. Penmanship. The study of Milton's L'Allegro.

*Geography.*—General view of continents and oceans. Map of North America with special reference to the Dominion.

*History.*—Outline of general and sacred history.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary Notions.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode Berlitz.

*French Geography.*—Eléments de Géographie Moderne, Amérique.

*Botany.*—Lectures.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

SECOND TERM, January 6th to end of Session.

(*No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.*)

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Milton's Il Penseroso and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chie cities of South America and of the Old World, with special reference to the British Islands.

*History.*—England.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of numbers, Mensuration.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode Berlitz.

*French History.*—Histoire de France.

*French Geography.*—Europe.

*Botany.*—Lectures.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each student of the Elementary School Class must be provided with an English Grammar, an English History, an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the school in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English language. Study of Shakespeare's Tempest, Scott's Lady of the Lake.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Rome, Canada.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double Entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar Gallic War.

*Greek.*—Optional to students sufficiently advanced.

*French.*—Translation from French into English, and from English into French, Worman's French Grammar, Lectures Françaises, Méthode Berlitz, Canadian History, L'Histoire du Canada par Miles, French Geography.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs, and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

In addition to the text-books named above, each student of the Model School Class must be provided with an English Grammar, a History of Canada, a History of Rome, an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

## 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA

Will follow for two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and, if residents of the country, receiving a bursary from the Normal School not exceeding $30 per annum, and such tutorial assistance as may be deemed necessary. Such students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in McGill College, for first year students, is :—

*Greek.*—Odyssey, Books XXI to XXIV. (Selections).

*Latin.*—Cicero. Select letters. Virgil, Book IX.

*English Language and Literature.*—Analysis and Composition. Milton's Comus and Bacon's Essays. Lectures on English Literature.

*French.*—Darey. Principes de Grammaire Française. La Fontaine, Les Fables, livres I. and II. Molière, L'Avare. Dictation and Colloquial exercises.

*Mathematics.*—Arithmetic. Euclid, six Books. Algebra to end of quadratics Plane Trigonometry.

*Chemistry.*—Lectures illustrated by experiment on chemical theories and laws, and on the more important elements and compounds.

The course for second year students is :—

*Greek.*—Euripides, Medea.

*Latin.*—Horace, Epistles, Book II. Tacitus, Germania.

*French.*—Ponsard, L'Honneur et l'Argent. Racine, Phèdre. Contanseau, Précis de Littérature Française. Dr. Johnson, Rasselas.

*English Literature.*—Shakspeare, A Mid-summer Night's Dream. Lectures

*Psychology and Logic*.—Murray's Hand-book of Psychology. Jevons' Elementary Lessons in Logic.

*Botany*.—Text-books, Gray and Bessey.

The course in Bishop's College for the current year is :—

*Greek*.—Æschylus, Prometheus, Plato, Crito.

*Latin*.—Horace, Odes II ; Sallust Jugurtha.

*English*.—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History*.—Greek and Roman.

*French*.—Translation, Grammar and Composition.

*Mathematics*.—Euclid, Books 1, 2, 3, 4 and 6. Algebra to Progressions. Arithmetic.

*Physics*.—Balfour Stewart's Elementary.

## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Boys' School.—Thomas B. Smiley, *Head Master*.

Selina Sloan,
Elizabeth Reid, } *Assistants*.

Girls' School.—Jane E. Swallow, *Head Mistress*.

Mary J. Peebles,
Louisa McNaughton, } *Assistants*.

Primary School.—Lucy H. Derick, *Head Mistress*.

Marion Taylor, *Assistant*.

These Schools can accommodate about 300 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of six and upwards, and give a thorough English Education. Fees, Boys' and Girls' Model Schools, $1 to $1.50 per month ; Primary School, 75c. ; payable monthly in advance.

# Passed the University Examination.

SESSION 1888-9.

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

| | | | |
|---|---|---|---|
| Barnard, Charles A., | Montreal | Topp, Francis, | Montreal |
| Clerk, Ronzo H., | Montreal | | |

## FACULTY OF MEDICINE.

PASSED FOR THE DEGREE OF M.D., C.M.

(Arranged Alphabetically.)

Aylen, W. W., Aylmer, Que.
Booth, J. S., Montreal, Que.
Brown, G. A., Charlottetown, P.E.I.
Campbell, G. G., B.Sc., Truro, N.S.
Creasor, J. A., B.A., Owen Sound, Ont.
Delaney, W. J., Peterboro', Ont.
England, W. S., Dunham, Que.
Esson, F. G., Halifax, N.S.
Garrow, A. E., Ottawa, Ont.
Gemmill, E. W., Almonte, Ont.
Holmes, A. D., Chatham, Ont.
Hopkins, F. A., Cookshire, Que.
Hubert, P. T., Harbor Breton, Nfld.
Irwin, W, T., Pembroke, Ont.
Kerr, N., Holyrood, Ont.
Low, D., Palmerston, Ont.
Martin, J. M., Brown's Creek, P.E.I.
Mathieson, C. S., Harrington, P.E.I.
Morehouse, O. E., Gibson, N.B.
Mowat, M. M., Williamstown, Ont.
Muirhead, D. A., Carleton Place, Ont.
Murray, D. A., Black Meadows, N S.
McCurdy, T., Ormstown, Que.
McDonald, A., Iroquois, Ont.
McDonald, H. N., Laggan, Ont.
McDonald, G., Renfrew, Ont.
McDonald, P. A., Alexandria, Ont.
McEwen, H., Carleton Place, Ont.
McIntosh, D.H., Carleton Place, Ont.
McKercher, H., Stittsville, Ont.
McKinnon, T. H., Lockport, N.S.
McLennan, A. A., Indian River, P.E.I.
Philp, W. S., Montreal, Que.
Shanks, A. L., Huntingdon, Que.
Vipond, A. E., Montreal, Que.
Wheeler, C. L., B.A., Montreal, Que.
Whyte, J. J., Lancaster, Ont.
Wylde, C. F., Halifax, N.S.

PASSED THE PRIMARY EXAMINATION.

| | | |
|---|---|---|
| Alexander, W. W | Brown, W. A. | Fletcher, R. W. |
| Ault, C. A. | Busby, J. | Gibson, R. J. |
| Beers, A. H. | Calkin, B. H. | Gorrell, A. S. |
| Bennie, R. | Clemesha, J. C. | Grafton, E. A. |
| Booth, J. S. | Dewar, Alex. | Greene, T. J. |
| Bowie, R. A. | Farwell, W. A. | Hamilton, W. F. |

Harris, N. M.
Harrison, J. D.
Hattie, W. H.
Hayes, John
Hubert, P. T.
Internoscia, Antonio
Jenkins, W. E.
Keir, E. J.
Kelly, C. I.
Kemp, H. D.
Lambert, E. M.
Love, A.
Lovering, W. T.
Mader, A. I.
Martin, M. McL.
Morrow, W. S.
Mulligan, E. A.
McCrimmon, A. A.
McMillan, J. H.
McGuire, J. C.
O'Connor, C.
Oliver, A. J.
Parke, G. H.
Patton, H. M.
Robertson, E. A.
Robertson, T. F.
Smith, C. F.
Sparling, A. J.
Speir, J. R.
Troy, W.
Tunstall, A.
Webster, R. E.
Williamson, H. M.
Williamson, W. P.
Woodruff, E. H.

## FACULTY OF ARTS.

### GRADUATING CLASS.

PASSED FOR THE DEGREE OF B.A.

*In Honours.*

(Alphabetically arranged.)

*First Rank.*—DEEKS, WILLIAM.
GIBSON, WILLIAM D.
REID, HELEN R. Y.
ROBERTSON, JAMES.
SQUIRE, MAUDE M.
TRUELL, HARRY V.
WILSON, ALICE MAUDE.

*Second Rank.*—NONE.

*Third Rank.*—NONE.

*Ordinary.*

(In Order of Merit.)

*McGill College.*

*Class I.*—STEVENSON, JAMES H.

*Class II.*—MACKENZIE, ROBERT T.
MEIGHEN, F. S.
JAMIESON, WALTER L.
WALSH, THOMAS N.
HOLDEN, DONALD B.

*Class III.*—READ, F. W.
GARTH, WILLIAM H.
MCCUSKER, S. F.

*Aeger.*—ROGERS, WILLIAM.

*Morrin College.*

*Class I.*—Whitelaw, James M.

*Class II.*—Robertson, Adam.
Smith, George H.
Sloane, Edith J.
MacLeod, Euphemia.

*Class III.*—None.

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BACHELORS OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

McGoun, Archibald, B.A.
Barlow, Alfred E., B.A.
Patterson, William, B.A.

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ADMITTED TO THE DEGREE OF LL.D., "*Honoris Causâ.*"

George Stewart, D.C.L.

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PASSED THE INTERMEDIATE EXAMINATION.

*McGill College.*

*Class I.*—Gunn, William Thos.
LeRossignol, W. J.
McGregor, John M.
Warne, James F.
Pattison, Mary L.
Henderson, William A.

*Class II.*—Ellenwood, William R.
Hipp, E. G.
Oliver, William.
McGregor, E. B
Hall, Bessie.
Whyte George.
Orton, Richard S.

*Class III.*—Reeves, Archibald C
Smith, Louise.
Warne, William A.
McAlpine, John J.
Hamilton, Dan. S.
McMillan, Helena.
Young, H. C.
Craik, Galen.
Cole, Arthur A. *s*,
Dobson, John R. *s*,
Guthrie, Donald. *s*,
McDougall, G. W *s*,
Moffatt, Eva L. *s*,
Tees, John. *s*,

*s*—With Supplemental Examination on one subject.

*Morrin College.*

*Class I.*—PIGEON, GEORGE CAMPBELL.

*Class II.*—BROWN, MARTHA L.

*Class III.*—MACLEOD, F. G.

LINDSAY, JOHN. *s*,

LIVINGSTONE, NEIL. *s*,

WEBB, JAMES D. *s*,

*s.*—With Supplemental Examination on one subject.

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*St. Francis College.*

*Class I.*—BANNISTER, ALICE.

*Class II.*—MCLEAY, A. A.

*Class III.*—NONE.

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## FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

### Civil Engineering (*Advanced Course.*)

IN ORDER OF MERIT.

Allan Wilmot Strong, John Holden Antliff.

### Civil Engineering (*Ordinary Course.*)

IN ORDER OF MERIT.

Allan Wilmot Strong, Peter Lawrence Naismith; John Holden Antliff and Murdy John McLennan, equal; George Kyle Addie, Malcolm C. McFarlane.

### Mechanical Engineering (*Advanced and Ordinary Courses*).

James Preston Tuplin.

### Practical Chemistry.

IN ORDER OF MERIT.

George Morse Edwards, Milton Lewis Hersey, Andrew Young.

# Scholarships and Exhibitions.

SESSION 1888-89.

## FACULTY OF ARTS.

### I. Scholarships (Tenable for two years).

| Year of Award. | Names of Scholars. | Subject of Examination. | Annual Value. | Founder or Donor. |
|---|---|---|---|---|
| 1887 | Gibson, W. D. | Nat. Science. | $125 | W. C. McDonald. |
| 1887 | Truell, H. V. | Class. & Mod. Lang | 125 | W. C. McDonald. |
| 1887 | Deeks, W. E. | Class. & Mod. Lang | 120 | Chas. Alexander. |
| 1888 | Tory, H. M. | Mathematics. | 125 | W. C. McDonald. |
| 1888 | Nicholls, A. G. | Class. & Mod. Lang | 125 | W. C. McDonald. |
| 1888 | MacDougall, Robert. | Class. & Mod. Lang | 120 | Chas. Alexander. |
| 1888 | Sutherland, H. C. | Nat. Science. | 125 | W. C. McDonald. |

### II. Exhibitions (Tenable for one year).

| Names of Exhibitioners. | Academic Year. | Annual Value. | Founder or Donor. |
|---|---|---|---|
| Daley, James. | Third | $125 | W. C. McDonald. |
| Mack, Silas W. | " | 100 | Major Mills. |
| Le Rossignol, W. J. | Second | 125 | George Hague. |
| *Kollmyer, W. H. | First | 125 | W. C. McDonald. |
| *Wood, Arthur B. | " | 125 | W. C. McDonald. |
| *Robins, George D. | " | 125 | W. C. McDonald. |
| *Archibald, E. W. | " | 100 | Mrs. Redpath. |
| Ryan, Percy C. | " | 100 | Mrs. Redpath. |

* The Governor-General's exemptions from Sessional Fees for four years were awarded to the students thus indicated.

*Bursaries* were awarded as follows:—To Gunn, W. T. (2nd year), a McDonald Bursary of $62.50; to Mitchell, R. (1st year), and Cushing, H. B. (1st year), Major Mills' Bursaries of $50 each.

# Prizes, Honours and Standing.

SESSION 1888-89.

## FACULTY OF LAW.

### GRADUATING CLASS.

*First Rank Honors and Elizabeth Torrance Gold Medal.*—RONZO H. CLERK.

*First Rank Honors and Second Prize for General Proficiency and Prize for Thesis.*—FRANCIS TOPP.

*Passed the Sessional Examination.*

BARNARD, CHARLES A.
CLERK, RONZO H.
TOPP, FRANCIS.

*Standing in Several Classes.*

INTERNATIONAL LAW.—Professor TRENHOLME.

First, TOPP.
Second, CLERK.

ROMAN LAW.—Professor HUTCHINSON.

First, CLERK and TOPP, equal.

CRIMINAL LAW.—Professor ARCHIBALD.

First, TOPP.
Second, CLERK.

LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU

First, CLERK and TOPP, equal.

CIVIL LAW.—Professor FORTIN.

First, CLERK.
Second, TOPP.

COMMERCIAL LAW.—Professor DAVIDSON.

First, TOPP.
Second, CLERK.

CIVIL PROCEDURE.—Professor McGOUN.

First, CLERK.
Second, TOPP.

SECOND YEAR.

*First Rank Honors and First Prize for General Proficiency.*—W. A. KNEELAND.
*Second Rank Honors and Second Prize.*—D. H. GIROUARD.

*Passed the Sessional Examination.*

WARREN ANDERSON KNEELAND.
DESIRÉ HOWARD GIROUARD.
GEORGE P. ENGLAND.
ALBERT E. HARVEY.
THOMAS J. VIPOND.
J. D. L. AMBROSE.

*Standing in the Several Classes.*

INTER NATIONAL LAW.—Professor TRENHOLME.

First, KNEELAND.
Second, HARVEY.

ROMAN LAW.—Professor HUTCHINSON.

First, KNEELAND, GIROUARD and HARVEY, equal.

CRIMINAL LAW.—Professor ARCHIBALD.

First, ENGLAND.
Second, VIPOND.

LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU.

First, KNEELAND and GIROUARD, equal.

CIVIL PROCEDURE.—Professor McGOUN.

First, KNEELAND.
Second, GIROUARD and ENGLAND, equal.

CIVIL LAW.—Professor FORTIN.

First, KNEELAND.
Second, GIROUARD.

COMMERCIAL LAW.—Professor DAVIDSON.

First, KNEELAND.
Second, GIROUARD.

FIRST YEAR.

*Second Rank Honors and Prize.*—FRANCIS JOSEPH HATCHETTE.

*Passed the Sessional Examinations.*

F. J. Hatchette, Victor Geoffrion, Frederick W. Hibbard.

*Standing in the Several Classes.*

INTERNATIONAL LAW.—Professor TRENHOLME.

First, HATCHETTE.
Second, HIBBARD.

ROMAN LAW.—Professor HUTCHINSON.

First, HATCHETTE.
Second, GEOFFRION.

CRIMINAL LAW.—Professor ARCHIBALD.

First, HATCHETTE.
Second, GEOFFRION.

LEGAL HISTORY AND CIVIL LAW.—Professor LAREAU.

First, HATCHETTE.
Second, HIBBARD.

CIVIL PROCEDURE.—Professor MCGOUN.

First, HATCHETTE.
Second, HIBBARD.

CIVIL LAW.—Professor FORTIN.

First, HATCHETTE.
Second, GEOFFRION.

COMMERCIAL LAW.—Professor DAVIDSON.

First, HATCHETTE.
Second, HIBBARD.

## FACULTY OF MEDICINE.

THE HOLMES GOLD MEDAL, FOR THE BEST EXAMINATION IN ALL THE BRANCHES COMPRISED IN THE MEDICAL CURRICULUM.—Alexander E. Garrow, of Ottawa, Ont.

THE PRIZE FOR THE BEST EXAMINATION IN THE FINAL BRANCHES.—Hugh McKercher, of Stittsville, Ont.

THE PRIZE FOR THE BEST EXAMINATION IN THE PRIMARY BRANCHES.—William Arthur Brown, of Chesterville, Ont.

THE SUTHERLAND GOLD MEDAL is awarded to John Craig Clemesha, of Port Hope, Ont.

The following, arranged in order of merit, deserve honorable mention:—

In the Primary Branches—Hamilton, Morrow, Busby, Bowie, Clemesha, Spier, Farwell, Grafton, Kelly, Dewar, Robertson, T. F. Troy, Williamson, W. P. McMillan and Alexander.

In the Final Branches—Campbell, McCurdy, Murray, Philp, England and Creasor.

PROFESSORS' PRIZES.

BOTANY.—W. B. Hallam Massiah, of Barbadoes, West Indies.

ANATOMY.—2nd year, W. A. Brown. Honorable Mention, T. F. Robertson. 1st year James Henderson, of Warkworth, Ont.

## FACULTY OF ARTS.

GRADUATING CLASS.

*B.A. Honours in Classics.*

GIBSON, WILLIAM D.—First Rank Honours and Chapman Gold Medal.

*B.A. Honours in Natural Science.*

DEEKS, WILLIAM E.—First Rank Honours and Logan Gold Medal.

SQUIRE, MAUDE M.—First Rank Honours; Medal Prize *

*B.A. Honours in Mental and Moral Philosophy.*

TRUELL, HARRY V.—First Rank Honours and Prince of Wales Gold Medal.

WILSON, ALICE MAUD.—First Rank Honours; Medal Prize *

ROBERTSON, JAMES.—First Rank Honours.

*B.A. Honours in Modern Languages.*

REID, HELEN R. Y.—First Rank Honours and the Lord Stanley Gold Medal.

*Special Certificate.*

STEVENSON, JAMES H.

THIRD YEAR.

NICHOLLS, ALBERT G.—First Rank Honours in Classics and Prize, First Rank General Standing.

MCDOUGALL, ROBERT.—First Rank Honours in Mental and Moral Philosophy and Prize. First Rank General Standing.

* *A Medal Prize* is awarded to a candidate whose answering at the Examinations has been nearly equal to that of the Medallist.

ROBERTSON, ANDREW A.—First Rank Honours in Natural Science. First Rank General Standing.

TRENHOLME, EDWARD C.—First Rank Honours in Natural Science, First Rank General Standing. Prize in Zoology.

COLCLOUGH, WILLIAM F.—First Rank Honours in Classics and Prize.

FRASER, DANIEL J.—First Rank Honours in Mental and Moral Philosophy and Prize.

ELLIOTT, JAMES A.—First Rank Honours in Mental and Moral Philosophy.

MACK, SILAS W.—Second Rank Honours in English Language, Literature and History, and Prize. Prize for Collection of Plants.

TORY, HENRY M.—First Rank General Standing. Charles G. Coster Memorial Prize, for Students from the Maritime Provinces.

DALEY, JAMES T.—First Rank General Standing. Prize in Hebrew.

SUTHERLAND, HUGH C.—First Rank General Standing. Prize in English and Rhetoric.

FRY, FREDERICK M.—First Rank General Standing.

THIRD YEAR.

PASSED THE SESSIONAL EXAMINATIONS.

Williams, Derick, Tory, Daley; Nichols and Trenholme, equal; McDougall, Robertson; Abbott and Sutherland, equal; Colclough, Fry, Binmore, McVicar, Tolmie, Hall, Botterell (H. I.), Mack; Cameron and Moss and Elliott (J. A.), equal; Mathewson; McGregor and Walsh (A. W.), equal; Fraser and Parker and Richardson and Ross and Scott, equal; Botterell (J. T.), Swanson; Hunter and Reid and Elliott (E. A.), equal; Kinghorn, Finch, Macfarlane, Henderson.

SECOND YEAR.

GUNN, WILLIAM T.—(High School, Montreal).—First Rank General Standing; Prize in Logic, Prize in French.

LEROSSIGNOL, WALTER J.—(High School, Montreal).—First Rank General Standing, Second Prize in English, Prize in Logic, Prize in Botany.

MCGREGOR, JOHN M.—(High School, Montreal).—First Rank General Standing; Prize in French, Prize in German.

WARNE, JAMES F.—(Stanstead Wesleyan College, P.Q.).—First Rank General Standing, First Prize in English.

HENDERSON, WM. A.—(Stanstead Wesleyan College, P.Q.).—Prize in German.

PASSED THE SESSIONAL EXAMINATIONS.

Gunn, LeRossignol, McGregor (J. M.), Warne (J. F.), Pattison, Henderson, Ellenwood, Hipp, Oliver, McGregor (E. B.), Hall (B.), Whyte (G., Orton, Reeves, Smith, Warne (Wm. A.), McAlpine, Hamilton, McMillan, Young, Craik, Cole *s*, Dobson *s*, Guthrie *s*, McDougall *s*, Moffatt *s*, Tees *s*)

FIRST YEAR.

WOOD, ARTHUR B.—(High School, St. Johns, P.Q.)—First Rank Honours in Mathematics and Prize ; First Rank General Standing, Prize in Greek, Prize in Latin, Prize in French, Prize in Chemistry.

KOLLMYER, W. HECTOR.—(High School, Montreal).—First Rank Honours in Mathematics and Prize ; First Rank General Standing, Prize in Greek, Prize in English.

ROBINS, GEORGE D.—(High School, Montreal).—First Rank Honours in Mathematics and Prize, First Rank General Standing.

TAYLOR, JAMES.—(Ottawa Collegiate Institute).—Third Rank Honours in Mathematics and Prize.

CUSHING, HAROLD B.—(High School, Montreal).—Third Rank Honours in Mathematics and Prize.

ARCHIBALD, EDWARD.—(High School, Montreal).—First Rank General Standing, Prize in Greek and Roman History, Prize in French.

BARRON, ROBERT H.—(Lachute Academy, P.Q.)—First Rank General Standing.

PASSED THE SESSIONAL EXAMINATIONS.

Kollmyer and Wood, equal ; Archibald, Pitcher, Boright, Robins, Barron, Taylor, Campbell (K. N.), Ross (R. O.), Cushing, Raynes, Ryan, Drum, Mitchell, Jaquays, McIver, Angus, MacDonald, Craig, Day, Davey, Talley, Blachford (H.), Read (G. E.), Shaw ; Brown and Davis, equal Sadler, Lyman, Leach, McHarg, McCoy, Russell, Smyth, Ellicott, Grisbrook, Hunt, Anderson, Ross (J. K.), Carmichael, Robertson (A.), Camp, bell (R. F.) *s*, Jekill *s*, McLennan *s*, Patterson *s*, Pritchard *s*.

*s*.—With supplemental Examination on one subject.

*Professor's Prize for Collection of Fossils.*—MacKenzie (R. T.).

*Professor's Prize for Collection of Plants.*—Mack (S. W.).

*Neil Stewart Prize in Hebrew.*—Stevenson (James H.).

*Charles G. Coster Memorial Prize.*—(To that student from the Maritime Provinces who has passed most creditably in the Sessional Examinations).—Tory, Hy. M.

*New Shakspere Society's Prize.*—Nicholson (J. A.), B.A.

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At the Examinations in September, 1889, the following *Scholarships* and *Exhibitions* were awarded :—

SCHOLARSHIPS.—TENABLE FOR TWO YEARS.

THIRD YEAR.—*Mathematical.*—* Tory, H. M.
" " *Natural Sciences.*—* Sutherland, H. C.
" " *Classics and Modern Languages.*—* Nicholls, ** McDougall, R.

EXHIBITIONS.—TENABLE FOR ONE YEAR.

THIRD YEAR.—For the study of Natural Science.—* Daley, †† Mack.

SECOND YEAR.—† Le Rossignol, W. J. (High School, Montreal).

FIRST YEAR.—* Kollmyer, W. H. (High School, Montreal); * Wood, A. B. (High School, St. Johns, P.Q.); * Robins, G. D. (High School, Montreal); § Archibald, E. W. (High School, Montreal); § Ryan, Percy C. (Ottawa Collegiate Institute).

Bursaries were awarded to Gunn W. T. (High School, Montreal) $62.50 Mitchell R. (High School, Montreal), $50; Cushing, H. B. (High School, Montreal), $50.

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## SESSIONAL EXAMINATIONS, 1889.

### McGILL COLLEGE.

*The mark * in the following list indicates Partial or Occasional Students.*

GREEK.

B.A. ORDINARY.—*Class I.*—Stevenson, Gibson. *Class II.*—Jamieson and Meighen, equal. *Class III.*—Garth and McCusker, equal; Read (F. W.), Walsh (Thos. N.).

THIRD YEAR.—*Class I.*—Colclough and Derick (*Prizes*), equal; Nichols (*Prize*), Fry; Abbott and Daley, equal; Mathewson and Moss and Tolmie, equal. *Class II.*—Cameron and Parker and Sutherland, equal; Hunter and Mack, equal; McGregor and Richardson, equal; Binmore; Reid and Ross and Swanson and Walsh (A. W.), equal; Finch. *Class III.*—Elliott, Henderson.

SECOND YEAR.—*Class I.*—Gunn, LeRossignol, McGregor (J. M.), Pattison, Henderson, Reeves, Warne (J. F.). *Class II.*—Hipp, Whyte (G.), Ellenwood, McGregor (E. B.); Dobson and McAlpine, equal; Hamilton and Orton, equal; Craik and Guthrie, equal. *Class III.*—Tees and Young, equal; Cole and Orton and Warne (W. A.), equal; Moore, Russell, Holden, Cameron, McLeod, McDougall.

FIRST YEAR.—*Class I.*—Wood, Kollmyer, Archibald; Barron and Ryan, equal; Robins, Campbell (K. M.), Ross (R. O.), MacIver. *Class II.*—Cushing and Taylor, equal; Mitchell, Jaquays, Blachford, Drum; Day and Read, equal; Pritchard; McCoy and McLennan, equal; Anderson. *Class III.*—Brown and Ellicott and Russell, equal; Davis, Shaw, Patterson, Williams, Sadler, Hunt, Davey; Aylen and Carmichael and Grisbrook, equal; Robertson (A. J.); Smyth and McHarg and Jekill, equal.

*Prizes:*—Wood, Kollmyer, Campbell (K. M.).

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* Value of Scholarship or Exhibition $125 yearly; founder W. C. MacDonald.

† Value $125 yearly; donor, George Hague, Esq.

** Value $100 to $120 yearly; foundress, Miss Barbara Scott.

†† Value $100; founder; Major Mills.

§ Value $100; foundress, Mrs Redpath.

LATIN.

B.A. ORDINARY.—*Class I.*—Squire, Gibson, Meighen. *Class II.*—Truell. *Class III.*—None.

THIRD YEAR.—*Class I.*—Williams (*Prize*); Colclough, Nichols, Derick, Trenholme; Abbott and Fry and Tolmie, equal; Binmore and McDuffee, equal; Robertson. *Class II.*—Parker; Hall and Hunter and Scott, equal; Sutherland, Botterell (Inez R.). *Class III.*—Botterell (Jeanie T.) and Kinghorn, equal; Moss, Macfarlane, Henderson.

LATIN.

SECOND YEAR.—*Class I.*—Le Rossignol, McGregor (J. M.), Warne (J. F.), Gunn, Waud, Henderson, Pattison. *Class II.*—McGregor (E. B.), Reeves, Warne (W. A.); Ellenwood and Smith, equal; McMillan; Hipp and Whyte (G.), equal; Dobson and Guthrie and Hall, equal; Oliver. *Class III.*—Hamilton and Moffatt, equal; Baillie, Tees, McAlpine; Orton and Young, equal; Cole, Russell, Whyte (J.), Craik and McLeod and Mooney, equal; Moore.

SECOND YEAR.—*Latin Prose Composition.—Class I.*—McGregor (J. M.), Le Rossignol, Henderson, Gunn, Waud, Pattison; Hipp and Reeves, equal; Warne (J. F.). *Class II.*—Ellenwood and Guthrie and Whyte (J.), equal; Oliver, McGregor (E. B.). *Class III.*—Dobson; Orton and Smith, equal; Cole, Warne (W. A.); Hamilton and Young, equal; McAlpine; Moffatt and Tees, equal; Moore; McLeod and McMillan and Russell, equal; Baillie and Craik and Hall, equal.

FIRST YEAR.—*Class I.*—Wood; Archibald and Kollmyer and Ryan, equal; Robins; Campbell (K. M.) and Pitcher, equal; Barron, Cushing, Boright, Jaquays, Taylor, Mitchell. *Class II.*—Angus; McDonald and Pritchard and Read, equal; Ross (R. O.), Tatley; Blachford and Day and Drum, equal; McLennan, MacIver, Lyman, Shaw, Patterson. *Class III.*—Smyth; Brown and Davis and Ellicott, equal; Davey and Leach, equal; Craik and Raynes, equal; Hunt, Anderson, Carmichael, McCoy, Russell; Aylen and McHarg and Ross (J. K.), equal; Grisbrook Morris, Robertson (A. J.), Campbell (R. F.), Sadler.

*Pizes.*—Wood, Campbell (K. M., Pitcher.

GREEK AND ROMAN HISTORY.

FIRST YEAR.—*Class I.*—Archibald, Kollmyer, Campbell (K.), Robins, Pitcher; Jaquays and Wood, equal; Ryan, Mitchell; Barron and Drum and McLennan, equal; Day, McIver, Boright. *Class II.*—Davey; Cushing and Ross (J.) and Read and Ross (R. O.), equal; Lyman, Brown, McDonald, Russell, Raynes; Campbell (R. F.) and Shaw, equal. *Class III.*—Anderson, Tatley; McKenzie and Angus, equal; Blachford and Graham and Leach and Williams, equal; Davis, Craig; Hunt and Taylor, equal; Aylen and Grisbrook and McCoy and McHarg, equal; Smyth; McDuffee and Robertson, equal; Sadler, Morris, Saunderson, Blunt, Carmichael, Jekill. *Prize:*—Archibald.

MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—(*Moral Philosophy*).—*Class I.*—Stevenson and Wilson, equal; Truell, Garth, Robertson, McKenzie; Holden and *Lee and Read, equal; Meighen. *Class II.*—*Austin; Jamieson and McCusker, equal; *Watt. *Class III.*—*Beattie.

B.A.—(*Additional Department in Mental and Moral Philosophy*). *Class I.*—Wilson, Truell, Robertson, Stevenson.

THIRD YEAR.—(*Mental Philosophy*).—*Class I.*—Williams; Fraser and McDougall and *Patton, equal; McVicar, Elliott (J. A.), Fry, Abbott, Tory *Class II.*—*Caldwell; Binmore and Hall, equal; *Oaten and Swanson equal; *Kennedy; McGregor (A.) and Richardson, equal; Kinghorn. *Class III.*—*Long, Finch, Elliott (E. A.), Moore (S.), *Moore (C. *Runions.

*Prizes*:—Williams; Fraser and McDougall, equal.

SECOND YEAR.—(*Logic*).—*Class I.*—LeRossignol, Wilson, Gunn, McGregor (E. B.), Pattison, Warne (J. F.), MacDougall, McGregor (J. M.); Hall and Henderson, equal. *Class II.*—Oliver, Baillie, (J. F.) Moffatt, Orton, Tees; McMillan and Smith, equal; Hipp and Reeves, equal. *Class III.*—*Clendinnen; Hamilton and *Judge and Whyte (G.), equal; Ellenwood and *Finley, equal; Guthrie and *Flagg, equal; *Chantler; McAlpine and Russell, equal; Craik, Young, *Humphrey, Whyte (J. T.), Warne (W. A.), Holden; Dobson and Flinn, equal; Cole. *Prizes*:—LeRossignol, Gunn, McGregor and Pattison.

EUROPEAN HISTORY.

B.A. ORDINARY.—*Class I.*—None. *Class II.*—Garth, Holden. *Class III.*—Robertson, Jamieson, Reid, McKenzie.

ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Sutherland (*Prize*), Trenholme, Mack; Scott and Walsh equal; Tolmie, Moss. *Class II.*—Kinghorn, Parker; Hunter and Reid equal. *Class III.*—McDuffee, McGregor, Paton, Moore.

*Additional Department in English Literature and History.*—*Class I.* None.—*Class II.*—*Mack.*

ENGLISH LITERATURE AND HISTORY.

SECOND YEAR.—*Class I.*—Warne (J. F.) (*First Prize*), Le Rossignol (*Second Prize*), Gunn, McGregor (J. M.), Pattison, Warne (W. A.), Ellenwood. *Class II.*—Hall and McAlpine and McMillan and Oliver, equal; Henderson, Mooney, Reeves, Orton; Dobson and Young, equal; Smith, MacDougall. *Class III.*—Whyte (G.), Hamilton, Hipp; Craik and Guthrie and Hunter, equal; McGregor (E. B.)

ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—Kollmeyer and Raynes, equal (*Prizes*); Angus and Boright, equal; Pitcher, Macdonald; Robins and Thomson (J.S.), equal; MacIver, Wood, Blachford; Campbell (K.M.) and Jaquays and Shaw, equal. *Class II.* Drum; Archibald and Barron and Mitchell and Sadler, equal; Taylor and Read, equal; Lyman, Campbell (R.), Ryan; Gourlay and Leach, equal; Grisbrook and Rankin, equal; Carmichael and Cushing, equal. *Class III.*—Eadie; Day and Tatley, equal; Craig and Dougall and Ross (R.O.), equal; Brown and Graham, equal; McCoy and Patterson and Ross (J.K.), equal; Smyth, McKenzie, Davis; Davey ad Hunt and MacLennan and Russell and Tener, equal; Ellicott; Blunt (S.B.) and Robertson, equal; McDiarmid and Pritchard, equal; Anderson; Aylen and McHarg, equal.

MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Walsh (T. N.). *Class II.*—Meighen. *Class III.*—Holden (D. B.), Garth.

THIRD YEAR.—*Class I.*—Tory, McDougall, Sutherland, McVicar, Hall, Daley, Mathewson, Tolmie. *Class II.*—Walsh (A. W.); Binmore and Ross, equal; Parker, Fry; Abbott and Moss, equal; Cameron, Hunter. *Class III.*—Botterell (J. T.), Reid, Fraser, Kinghorn, Elliott, Scott, Henderson, Macfarlane.

ASTRONOMY AND OPTICS.

B.A. ORDINARY.—*Class I.*—Mackenzie. *Class II.*—Holden (D. B.) and Jamieson (W. L.) and Walsh (T. N.), equal. *Class III.*—Read, McCusker.

THIRD YEAR.—*Class I.*—Tory, Abbott. *Class II.*—McDougall, Tolmie. *Class III.*—Binmore, Ross, Walsh (A. W.).

EXPERIMENTAL PHYSICS (*Electricity, Magnetism and Sound*).

B.A. ORDINARY.—*Class I.*—Deeks, Jamieson. *Class II.*—Walsh. *Class III.*—Meighen, Holden (D. B.), McKenzie, McCusker, Garth.

THIRD YEAR.—*Class I.*—Elliott (J. A.), McVicar, Tory. *Class II.*—Ross, Fraser (D. J.), Barnes*; Cameron and Mathewson, equal; Parker, Hunter.

TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Henderson, McGregor (J. M.), Gunn, Hipp, Whyte (G.), Warne (J. F.), Ellenwood, Pattison, Hunter, McDougall, Le Rossignol. *Class II.*—Guthrie, Cole, Hall; Oliver, McGregor (E. B., Moffatt. *Class III.*—Dobson and Hamilton and Holden, equal; Orton; Tees and Warne (W. A.), equal; Craik and McAlpine and McLeod, equal; Reeves, McMillan, Mooney, Smith, Whyte (J. T.), Young.

FIRST YEAR.—*Class I.*—Kollmyer, Cushing, Wood, Taylor, Pitcher, Robins, Archibald, Barron. *Class II.*—Boright, McKenzie, Ross (R. O.); Day and Mitchell, equal; Campbell (K.) *Class III.*—Raynes and Ryan, equal; Davey; Davis and Drum and Smith, equal; Jaquays, McIver;

Angus and Russell, equal; Pritchard; Craig and McHarg and Morris and Sadler, equal; Ellicott, Brown; Leach and McDonald, equal; Shaw; Lyman and Robertson, equal; Tatley; Blachford and McCoy, equal; Anderson and Campbell (R. F.) and Hunt, equal; Graham and Read, equal; Grisbrook; Fraser (A. D.) and Ross (J. K.), equal; Patterson, Jekill.

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Le Rossignol, Guthrie, Warne (J. F.); Ellenwood and McGregor (J. M.), equal; Gunn, Moffatt, Cole; Hipp and Oliver, equal. *Class II.*—Dobson, Tees, Holden, Mooney, Reeves; Orton and Whyte (J. T.), equal; Whyte (G.); McDougall and Pattison, equal; Russell. *Class III.*—Moore (L.); Hamilton and Henderson, equal; McGregor (E. B.), Hunter (J. C.), Hall, Smith, McLeod, Craik, Warne (W. A.), McAlpine, Baillie, Cameron, McMillan, Young.

FIRST YEAR.—*Class I.*—Kollmyer and Wood, equal; Taylor; Cushing and Pitcher, equal; Archibald, Boright, Barron, Ross (R. O.), Pritchard, Robins, Jaquays, McIver, Mitchell, Davey, Drum, Day, Craig. *Class II.*—McHarg and Raynes, equal; Shaw; McKenzie and Sadler, equal. *Class III.*—Campbell (K.), Russel, Morris; Brown and Davis, equal; Graham and Grisbrook and McCoy and Ryan and Smith, equal; McLennan; Anderson and Tatley, equal; McDonald, Read, Jekill; Blachford and Carmichael, equal; Robertson, Lyman, Hunt, Ross (J. K.), Ellicott and Fraser (A. D.), equal; Leach and Williams, equal; Patterson, Angus and Aylen, equal.

HONOUR EXAMINATION IN MATHEMATICS.

FIRST YEAR.—*First Rank Honours.*—Wood (*Prize*) Kollmyer *Prize*), Robins (*Prize*)—*Second Rank Honours.*—None.—*Third Rank Honours.*—Taylor (*Prize*), Cushing (*Prize*).

FRENCH.

FOURTH YEAR.—*Class I.*—Reid, Wilson. *Class II.*—Read.

THIRD YEAR.—*Class I.*—Williams, Abbott, Johnson, and Ross, equal. *Class II.*—Cameron, Robertson, Elliott, Binmore, Botterell J. T.) and Scott, (equal; Nicholls, Botterill (H. T. R.). *Class III.*—Parker, Hall, McDuffee, Mathewson and MacFarlane;

SECOND YEAR.—*Class I.*—Pattison (*Prize*), McGregor (J. M.) (*Prize*), Gunn (*Prize*), Smith, LeRossignol, Moffatt; Hipp and Young, equal. *Class II.*—Oliver, McGregor (E. B.), Ellenwood, Reeves, Baillie, Tees; Whyte (G.) and Hall and Mooney, equal; Warne (J. F.), McMillan. *Class III.*—Warne (W. A.); McDougall and Moore, equal; Holden, Cole, Whyte (J. T.)

FIRST YEAR.—*Class I.*—Archibald (*Prize*), Wood (*Prize*), Johnson (H.), Blachford (A.), Craig (*Prize*); Barron and Boright and Raynes and Kollmyer and Ryan, equal; Drum and Robins, equal; Rankin, Campbell (R.), Campbell

(K.). *Class II.*—Taylor, Pitcher, Macdonald, Angus and Blachford (H.), equal; Jaquays, McDuffee, Day, Leach, McIver, Mitchell, Sadler, Brown, McHarg. *Class III.*—Tatley; Humphrey and Smyth and Shaw, equal; Carmichael and Cushing, equal; McCoy, Hunt, Ellicott, Graham, Ross (J. K.), Lyman, Dougall.

GERMAN.

B.A. Ordinary.—*Class I.*—Reid (H.) and *Johnson (H.), equal. *Class II.*—Meighen, Gibson. *Class III.*—None.

Third Year.—*Class I.*—Botterell (H. I. R.) (*Prize*), Botterell (J. T.). *Class II.*—Macfarlane. *Class III.*—None.

Second Year.—*Class I.*—McGregor (J. M.) (*Prize*), McMillan, Moffatt, Ellenwood. *Class II.*—Baillie, Hall, Smith.

First Year.—*Class I.*—Boright (*Prize*), Macdonald, Angus, Campbell (K.M.), Campbell (R. F.), Craig, Pitcher, Raynes, Lyman, Henderson, Orton. *Class II.*—Tatley, McDuffee, Leach. *Class III.*—Ross, Jekill, Blunt, Williams.

HEBREW.

Advanced Course.—*Class I.*—Stevenson. *Class II.*—Ashton, Swanson. *Class III.*—Richardson, Finch, McCusker, Watt.

Intermediate Course.—*Class I.*—Patton. *Class II.*—MacAlpine, Russell A., Fraser D. J. *Class III.*—MacVicar, Austin, Moore, Craik; Hamilton and Capel, equal; Mitchell Th. A.

Elementary Course.—*Class I.*—Daley J. T. *Prize;* Fyles and Ross R. O., equal; Horsey, Judge, Elliott, Mack, Davis, Reid. *Class II.*—Caldwell, Davey, Flagg; Long and Eadie, equal; Colclough, Anderson, Patterson W., Read; Kennedy and Russell Wm., equal. *Class III.*—Tener and Lambly W. D., equal; Pritchard, Lee, MacLennan K., Sanderson; Robertson and Maynard Moise, equal; Bouchard; Maynard Etienne and Fraser A. D., equal; St. Aubin, Grisbrook, Charles, Morris, MacDiarmid.

The Neil Stewart Prize.—Stevenson.

GEOLOGY AND MINERALOGY.

Fourth Year.—*Class I.*—Deeks, Squire, Stevenson, McKenzie. *Class II.*—Jamieson and Walsh, equal; Caldwell*, Read. *Class III.*—Garth.

ZOOLOGY.

Third Year.—*Class I.*—Derick and Williams, equal (*Prize*); Trenholme (*Prize*), Robins* and Sutherland, equal; Binmore, Abbott; Hall and Nicholls; equal; Botterell (Inez), Scott, Cameron, Robertson, Moss; Daley and Matthewson, equal; McDougall, Richardson, Walsh, Botterell (Jane) and McGregor and Mack, equal. *Class II.*—Elliott and McFarlane, equal; Henderson, Ross, Fry, Swanson, Kennedy,* Moore (C.)*. *Class III.*—Kinghorn, Finch, Long,* Oaten,* Lambly,* Caldwell,* Mitchell,* Colclough, McDuffee, Paton.

BOTANY.

FOURTH YEAR.—*Class I.*—Kennedy.*

THIRD YEAR.—*Class I.*—Derick and Robertson, equal; Trenholme, *Class II.*—Henderson.

SECOND YEAR.—*Class I.*—LeRossignol, *Prize;* Stevenson*, McGregor (J. M.), Warne (J. F.), Gunn, Henderson; Pattison, *Prize*, and McDougall, equal; Orton, Moffatt and Warne (W. A.), equal; Hall; Baillie and Flagg*, equal. *Class II.*—McGregor (E.B.), and Smith, equal; Blachford and Ellenwood, equal; Young, Hamilton. *Class III.*—Oliver, McAlpine, Hipp, Russell, Mussen*, Craik, Guthrie, Chantler, Tees McMillan, Whyte (G.), Whyte (J. T.), Cole, Reeves, Dobson.

CHEMISTRY.

FIRST YEAR.—*Class I.*—Tatley (*Prize*); Wood (*Prize*); Kollymer and Pitcher (*Prize*), equal; Ross (R. O.), Thomson (J. S.), Archibald; Boright and Campbell (K.) and Drum and Henderson (2nd Yr), equal. *Class II.*—Robins; Davey and Taylor, equal; Barron, Thompson (J.), Gourlay, McHarg, Raynes; Angus and McIver, equal; Clendinnen and Jackson, equal; Jaquays and McCoy and Mitchell, equal; Brown and Craig, equal. *Class III.*—Cushing, Tener, Sadler; MacDonald and Ryan, equal; Leach; Blachford (Henry) and McKenzie, equal; Patterson and Sanderson, equal; Pritchard and Williams, equal; Ellicott; Carmichael and Hunt and Jekill and Morris, equal; Grisbrook; Davis and Graham, equal; Aylen and Read, equal; Robertson; MacLennan and Smyth, equal; Lyman; Day and Eadie and Shaw, equal; Campbell (R. F.), Fraser, Ross (J. K.), Russell.

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WICKSTEED MEDALS (*for Physical Culture.*)

R. T. McKENZIE—4th Year—Gold Medal.
W. OLIVER—2nd Year—Silver Medal.
A. A. COLE—2nd Year—Bronze Medal.

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## SPECIAL COURSE FOR WOMEN (DONALDA ENDOWMENT).

PRIZES AND STANDING.

GRADUATING CLASS.

*B.A. Honours in Natural Science.*

SQUIRE, MAUD N.—First Rank Honours. Medal Prize.

*B. A. Honours in Mental and Moral Philosophy.*

WILSON, ALICE MAUD.—First Rank Honours. Medal Prize.

*B. A. Honours in Modern Languages.*

REID, HELEN R. Z.—First Rank Honours and the Lord Stanley Gold Medal.

THIRD YEAR.

WILLIAMS, ANNIE.—First Rank Honours in Mental and Moral Philosophy and Prize; First Rank General Standing, Prize in Latin, Prize in Zoology.

DERICK, CARRIE M.—First Rank Honours in Natural Science, First Rank in General Standing, Prize in Classics, Prize in Zoology.

BOTTERELL, H. INEZ R.—First Rank Honours in Natural Science, Prize in German.

ABBOTT, MAUDE E.—First Rank General Standing.

PASSED THE SESSIONAL EXAMINATIONS.

Williams, Derick, Abbott, Binmore, Botterell (H.I.R.), Scott, Botterell (J.T.,) Macfarlane, Henderson.

PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

Robins, Johnson (N).

SECOND YEAR.

PATTISON, MARY L.—(McGill Normal School) First Rank General Standing,, Prize in Logic, Prize in French, Prize in Botany.

MCGREGOR, E. B.—(McGill Normal School). Prize in Logic.

PASSED THE SESSIONAL EXAMINATIONS.

Pattison, McGregor (E B.), Hall, Smith, McMillan, Moffatt.

PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

Blachford, Finley, Mussen, Waud (E.M.), Wilson.

FIRST YEAR.

PITCHER, ETHELWYN.—(Morrisburg High School, Ont.).—First Rank General Standing, Prize in Latin, Prize in Chemistry.

BORIGHT, MABEL.—(Sutton Academy, P.Q.)—First Rank General Standing, Prize in French, Prize in German.

CAMPBELL, KATE M.—(Girls' High School Montreal).—First Rank General Standing, Prize in Greek, Prize in Latin.

RAYNES, ETHEL.—(High School, Montreal).—Prize in English, Prize in French.

CRAIG, ELEANOR M.—(McGill Normal School)—Prize in French.

TATLEY, ELEANOR.—(Private tuition)—Prize in Chemistry.

PASSED THE SESSIONAL EXAMINATIONS.

Pitcher, Boright, Campbell (K.M.), Raynes, Angus, MacDonald, Craig, Tatley, Lyman, Leach, McCoy, Hunt, Ross (J.K.), Campbell, R.F. s,

PASSED IN CERTAIN CLASSES AS PARTIAL OR OCCASIONAL STUDENTS.

Galt, Johnson (H.), Tatley (H.).

.—With supplemental examination on one subject.

The prizes in this department are from the income of the Hannah Willard Lyman Memorial Fund.

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## MORRIN COLLEGE.

### B.A. Ordinary Examination.

Greek.—*Class I.*—None. *Class II.*—Sloane, Whitelaw, MacLeod, *Class III.*—Robertson.

Latin.—*Class I.*—None. *Class II.*—Sloane, McLeod. *Class III.*—None.

Mechanics and Hydrostatics.—*Class I.*—Whitelaw, Robertson. *Class II.*—Smith, Sloane, McLeod. *Class III.*—None.

Astronomy and Optics.—*Class III.*—Smith.

Moral Philosophy —*Class I.*—Whitelaw, MacLeod, Smith, Sloane, Robertson.

French.—(*Ordinary*).—*Class I.*—Sloane. *Class II.*—MacLeod.

Hebrew.—(*Ordinary*)—*Class I.*—Whitelaw Robertson, Smith.

European History.—*Class I.*—Whitelaw, Sloane, MacLeod and Smith, equal. *Class II.*—Robertson.

### Intermediate Examination.

Greek.—*Class I.*—Pidgeon. *Class II.*—Brown. *Class III.*—Logie, Webb, McLeod, Lindsay, Livingstone.

Latin.—*Class I.*—Brown. *Class II.*—Pidgeon, Webb, Logie, McLeod. *Class III.*—Livingstone, Lindsay.

Latin Prose Composition.—*Class I.*—Brown and Pidgeon, equal. *Class II.*—McLeod, Webb ; Lindsay and Livingstone, equal. *Class III.*—Logie,

Trigonometry and Algebra.—*Class I.*—Pidgeon, Lindsay, Livingstone. *Clas, II.*—Webb. *Class III.*—Brown, Tanner, MacLeod.

Geometry and Arithmetic.—*Class I.*—Livingstone, Pidgeon. *Class II.*—Lindsay, Webb, Logie. *Class III.*—MacLeod, Tanner.

Logic.—*Class I.*—None. *Class II.*—Livingstone. *Class III.*—Brown, MacLeod ; Pidgeon and Tanner, equal.

English Literature and History.—*Class I.*—Pidgeon. *Class II.*—Lindsay, Browne, Webb. *Class III.*—McLeod.

French.—*Class I.*—None. *Class II.*—Brown. *Class III.*—Webb.

HEBREW.—*Class I.*—Pidgeon, Lindsay. *Class II.*—Logie; Lindsay, MacLeod. *Class III.*—Tanner.

### MORRIN COLLEGE.

B. A. EXAMINATION.—*Class I.*—Whitelaw, Robertson A., Smith G. H.

INTERMEDIATE EXAMINATION.—*Class I.*—Pidgeon, Lindsay. *Class II.*—Lorgie Livingstone, MacLeod S. G. *Class III.*—Tanner.

### ST. FRANCIS COLLEGE.

INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Bannister. *Class II.*—None. *Class III.*—McLeay.

LATIN.—*Class I.*—Bannister. *Class II.*—MacLeay. *Class III.*—None.

LATIN PROSE COMPOSITION.—*Class I.*—Bannister. *Class II.*—None. *Class III.*—MacLeay.

TRIGONOMETRY AND ALGEBRA.—*Class I.*—McLey, Bannister.

GEOMETRY AND ARITHMETIC.—*Class I.*—Bannister and McLeay, equal.

LOGIC.—*Class I.*—Bannister, MacLeay. *Class II.*—None. *Class III.*—None.

ENGLISH LITERATURE AND HISTORY.—*Class I.*—Bannister. *Class II.*—None. *Class III.*—MacLeay.

FRENCH.—*Class I.*—Bannister. *Class II.*—McLeay.

## FACULTY OF APPLIED SCIENCE.

### GRADUATING CLASS.

ALLAN WILMOT STRONG.—British Association Gold Medal; $50 British Association Exhibition; Certificates of Merit in Designing, and Heat and Heat Engines.

GEORGE MORSE EDWARDS.—Stanley Silver Medal; First Rank Honours in, Natural Science; Logan Prize for collection of Insects; Certificates of Merit in Assaying, and Chemistry.

JAMES PRESTON TUPLIN.—Certificates of Merit in Designing, Heat and Heat Engines, and Machinery and Millwork.

MURDY JOHN MCLENNAN.—Certificate of Merit in Materials.

MILTON LEWIS HERSEY.—$25 Prize for Summer Report. Certificate of merit in Chemistry and Mineralogy.

PETER LAWRENCE NAISMITH.—Certificate of Merit in Geodesy and Practical Astronomy.

### THIRD YEAR.

RICHARD SMITH LEA.—Scott Exhibition of $66.00; Prize for Summer Report; Prizes in Descriptive Geometry, Theory of Structures, Materials Geology, and Surveying.

ERNEST EDWARD S. MATTICE.—Prizes in Mathematics, and Theory of Structures.

PERCY NORTON EVANS.—Prizes in Mathematical Physics, Experimental Physics, Theoretical Chemistry, Practical Chemistry, Mineralogy, and Zoology

PETER WHITEFORD REDPATH.—Prize in Dynamics of Machinery.

GEORGE W. MOONEY.—Prizes in Experimental Physics, and Field Work Levelling.)

PASSED THE SESSIONAL EXAMINATIONS.

**Civil Engineering** (*Advanced Course.*)

Richard Smith Lea and Ernest Stuart Mattice, equal.

**Civil Engineering** (*Ordinary Course*).

IN ORDER OF MERIT.

Richard Smith Lea, Ernest Edward S. Mattice, Charles Herbert Ellacott, Orrin Rexford, Albert Howard Hawkins, William Simeon Denison, Chester Bowditch Reed.

**Mechanical Engineering** (*Advanced Course*).

George W. Mooney.

**Mechanical Engineering** (*Ordinary Course*).

IN ORDER OF MERIT.

George W. Mooney, Peter Whiteford Redpath.

**Practical Chemistry.**

IN ORDER OF MERIT.

Percy Norton Evans, Robert Henry Jamieson, Sidney Calvert, William Smaill, Arthur E. Shuttleworth.

SECOND YEAR.

ERNEST ALBERT STONE.—Scott Exhibition of $66.00; prizes in Materials, Mathematics, Mathematical Physics, Experimental Physics, and Surveying.

THOMAS HENRY WINGHAM.—Prize in Descriptive Geometry.

WILLIAM HENRY WALKER.—Burland prize in Chemistry; prizes in Mechanism, and Practical Chemistry.

PASSED THE SESSIONAL EXAMINATIONS.

**Civil Engineering.**

IN ORDER OF MERIT.

Ernest Albert Stone, William Jardine Bulman, Robert Bickerdike, George Edward McCrea.

**Mechanical Engineering.**

IN ORDER OF MERIT.

Thomas Henry Wingham, Percy Howe Middleton, Miles Lawrence Williams.

**Mining Engineering.**

IN ORDER OF MERIT.

William Henry H. Walker, Hugh Yelverton Russel.

FIRST YEAR.

PETER HENRY LEROSSIGNOL—Prizes in Theoretical and Practical Chemistry, Mathematics, and French.

WILLIAM NORTON CUNNINGHAM.—Prizes in English, and German.

WILLIAM HENRY WARREN.—Prize in English.

JAMES G. R. WAINWRIGHT.—Prize in Freehand and Model Drawing.

PASSED THE SESSIONAL EXAMINATIONS.

IN ORDER OF MERIT.

Peter Henry LeRossignol, William Norton Cunningham, William Pitt Laurie Walter Chamblet Adams, Ellsworth Bolton, Forest Rutherford, Théophile Denis, Alonzo Klock, William Henry Warren, George Mitchell, Louis Benjamin Copeland, William C. G. Smart, John Hamilton Featherston, James George R. Wainwright, Peter J. Murphy, Arnold James Ryan, William Foster Fraser, Lawrence Naismith Pink, Lincoln Simpson, John Alexander Turner, George P. Tasker.

SUMMER REPORT.

FOURTH YEAR.—*Class I.*—Hersey (*Dextrine*) *Prize;* Addie (*Township Surveying*) and Strong (*G. T. Ry. Double Track*) and Tuplin (*Locomotive Construction*), equal; Naismith (*G.T.Ry. Double Track*); McFarlane (*Ry. Survey, Vaudreuil to Van Buren Hill*) and McLennan (*Railroading*), equal. *Class II.*—Antliff (*Smoke Consumption*), Young (*Cylindrical Concretions from Potsdam Sandstone, Lanark Co.*). *Class III.*—Edwards (*Aniline*).

THIRD YEAR.—*Class I.*—Lea (*Water Supply of Charlottetown, P.E.I.*) *Prize;* Calvert (*Bran v. Oatmeal, a Cattle-feeding Experiment*) and Evans (*Sugar of Milk*), and Smaill (*Notes on Preparation of a few Organic Chemical Compounds*) and Shuttleworth (*Study of Chemistry as a guide to Practical Agriculture*), equal; Mooney (*Steam Injectors*); Hawkins (*Survey of Township of Huron*) and Jamieson (*Manufacture of Varnish*) and Mattice (*Iron and Steel*) and Redpath (*High Speed Engines*), equal. *Class II.*—Ellacott (*Crown Surveys, Ont.*), Rexford (*Land Surveying in Ontario*), Reed (*Ry. Survey, Vaudreuil to Ottawa*). *Class III.*—Denison (*Railway Construction*).

FREEHAND AND MODEL DRAWING.

FIRST YEAR.—*Class I.*—Wainwright (*Prize*), Purves, Tasker; LeRossignol and Warren, equal; Rutherford. *Class II.*—Costigan, Copeland, Turner, Ryan, Mitchell; Pink and Stevenson, equal; Klock, Bolton; Denis and Featherston and Smart, equal; Cunningham and Simpson, equal. *Class III.*—Murphy, Adams, Fraser, Laurie.

DESCRIPTIVE GEOMETRY.

SECOND YEAR.—*Class I.*—Wingham (*Prize*), Stone, Ramsay; McCrea and Walker, equal; Bulman, Williams. *Class II.*—Middleton, Stuart, Russell. *Class III.*—Bickerdike.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Ellacott, Mooney. *Class III.*—Redpath and Rexford, equal.

MECHANISM.

SECOND YEAR.—*Class I.*—Walker (*Prize*), Stone. *Class II.*—Wingham, Middleton, McCrea. *Class III.*—Stuart; Bulman and Ramsay, equal; Bickerdike, Russell, Williams.

PRACTICAL CONSTRUCTION.

FOURTH YEAR.—*Class I.*—Tuplin.

THIRD YEAR.—*Class I.*—None. *Class II.*—Redpath, Mooney.

SECOND YEAR.—*Class I.*—Williams, Middleton. *Class II.*—Wingham. *Class III.*—Ramsay.

MECHANICAL WORK.

SECOND YEAR.—*Class I.*—Middleton, Williams. *Class II.*—Wingham, Ramsay.

MOULDING AND FOUNDING.

SECOND AND THIRD YEARS.—*Class I.*—Mooney and Wingham, equal; Middleton, Williams. *Class II.*—Redpath, Ramsay.

MACHINERY (*Rivetted joints and toothed gearing*).

THIRD YEAR.—*Class I.*—Redpath. *Class II.*—Mooney.

GEOMETRY OF MACHINERY.

THIRD YEAR.—*Class I.*—None, *Class II.*—Mooney. *Class III.*—Redpath.

SURVEYING.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Bulman, Schwitzer. *Class III.*—Russel, Bickerdike, Middleton, McCrea, Williams, Wingham, Ramsay, Tighe.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Hawkins, Reed, Denison. *Class III.*—Ellacott, Rexford.

GEODESY AND PRACTICAL ASTRONOMY.

FOURTH YEAR.—*Class I.*—Naismith (*Certificate of Merit*). *Class III.*—Strong, McFarlane.

ENGINE PROPORTIONS.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*).

DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*).

THIRD YEAR.—*Class I.*—Redpath (*Prize*). *Class II.*—Mooney.

DESIGNING.

FOURTH YEAR.—*Class I.*—Tuplin (*Certificate of Merit*), Strong (*Certificate of Merit*), *Class II.*—Antliff, Addie, McLennan. *Class III.*—McFarlane and Naismith, equal.

THEORY OF STRUCTURES.—(*Advanced*).

FOURTH YEAR.—(*Civil Engineering Course*).—*Class I.*—None. *Class II.*—Strong, Antliff.

FOURTH YEAR.—(*Mechanical Engineering Course*).—*Class I.*—None. *Class II.*—Tuplin.

THIRD YEAR.—*Class I.*—Lea and Mattice, equal; Mooney.

THEORY OF STRUCTURES.—(*Ordinary*)

FOURTH YEAR.—*Class I.*—Naismith and Strong, equal. *Class II.*—Addie, McLennan, Antliff. *Class III.*—McFarlane.

THIRD YEAR.—*Class I.*—Lea (*Prize*) and Mattice (*Prize*), equal. *Class II.*—Mooney, Redpath; Ellacott and Rexford, equal. *Class III.*—Denison, Hawkins, *Reed.

* Reed passes with a supplemental examination in the subject matter of Paper II.

HEAT AND HEAT ENGINES.—(*Advanced Course.*)

FOURTH YEAR.—*Class I.*—Strong. *Class II.*—Tuplin. *Class III.*—Antliff.

HEAT AND HEAT ENGINES.—(*Ordinary Course*).

FOURTH YEAR.—*Class I.*—Strong (*Certificate of Merit*) and Tuplin (*Certificate of Merit*), equal. *Class II.*—Antliff, McLennan. *Class III.*—Addie.

HYDRAULICS—(*Advanced Course*).

FOURTH YEAR.—*Class I.*—Strong, Antliff.

HYDRAULICS—(*Ordinary Course*).

FOURTH YEAR.—*Class I.*—None. *Class II.*—Strong, Tuplin, Antliff. *Class III.*—McLennan, Addie.

MATERIALS.

FOURTH YEAR.—*Class I.*—McLennan (*Certificate of Merit*) and Naismith (*Certificate of Merit*) and Tuplin (*Certificate of Merit*), equal; Addie, McFarlane. *Class II.*—Strong, Antliff. *Class III.*—None.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice (*Prize*); Hawkins and Redpath, equal; Mooney, Rexford, Ellacott. *Class II.*—Reed, Denison. *Class III.*—None.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Bulman (*Prize*), Wingham, Bickerdike, Williams, Tighe, Middleton. *Class II.*—Schwitzer. *Class III.*—Ramsay, McCrea, Stuart.

ESSAY.

FOURTH YEAR.—(*Determination of Latitude*)—*Class I.*—None. *Class II.*—Naismith. *Class III.*—McFarlane.

(*Thermo-dynamic Laws*).—*Class I.*—Strong, Tuplin. *Class II.*—Antliff and McLennan, equal. *Class III.*—Addie.

(*Relation of Chemistry to Mining and Manufacturing Industries*).—*Class I.*—Edwards. *Class II.*—Hersey. *Class III.*—Young.

THIRD YEAR.—(*Methods and Instruments employed in Geodesic Levelling*).—*Class I.*—None. *Class II.*—Lea, Mattice, Ellacott, Hawkins, Reed. *Class III.*—Rexford, Denison.

(*Transmission of Energy by belts and ropes.*)—*Class I.*—Redpath, Mooney.

(*Volumetric Analysis and its sources of Error.*)—*Class I.*—Evans, Smaill, Jamieson; Calvert and Shuttleworth, equal.

SECOND YEAR.—(*The lathe*).—*Class I.*—Middleton, Ramsay. *Class II.*—Wingham. *Class III.*—Williams.

(*Construction and use of Engineer's Transit*).—*Class I.*—Bickerdike and Stone, equal; Walker. *Class II.*—McCrea. *Class III.*—Bulman and Schwitzer and Tighe, equal; Stuart.

THEORETICAL AND PRACTICAL CHEMISTRY.

FIRST YEAR.—*Class I.*—Le Rossignol (*Prize*), Bolton, Adams, Mitchell, Laurie, Rankin. *Class II.*—Klock, Warren, Rutherford, Stevenson, Denis, Featherston; Copeland and Smart, equal; Cunningham and Wainwright, equal; Fraser. *Class III.*—Ryan, Pink, Tasker, Murphy, Purves, Turner Simpson.

*N. B.* Of the above, Pink, Tasker, Murphy, Turner and Purves pass with supplemental in Theoretical Chemistry, and Simpson with supplemental in Practical Chemistry.

SECOND YEAR.—(*Theoretical Chemistry only.*)—*Class I.*—None. *Class II.*—None. *Class III.*—Tighe, Bickerdike.

PRACTICAL CHEMISTRY.

SECOND YEAR.—(*Mining Course*).—*Class I.*—Walker (*Prize*). *Class II.*—None. *Class III.*—Russell.

THIRD YEAR.—(*Chemistry Course.*)—*Class I.*—Evans (*Prize*), Jamieson. *Class II.*—Shuttleworth, Smaill, Calvert.

THEORETICAL AND PRACTICAL CHEMISTRY.

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Edwards, Hersey. *Class II.*—None. *Class III.*—Young.

THEORETICAL CHEMISTRY.

THIRD YEAR.—(*Chemistry Course.*)—*Class I.*—Evans (*Prize*), Smaill, Jamieson, Calvert, Shuttleworth.

ASSAYING.

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Edwards, Hersey. *Class II.*—Young. *Class III.*—None.

METALLURGY.

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Edwards, Hersey. *Class II.*—Young.

FOURTH YEAR.—(*Mechanical Engineering Course.*)—*Class I.*—Tuplin.

METEOROLOGY.

FOURTH YEAR.—*Class I.*—McFarlane and Naismith, equal; Addie.

LITHOLOGY.

FOURTH YEAR.—(*Chemistry Course*). *Class I.*— Edwards, Hersey. *Class II.*—Young.

MINERALOGY (*Advanced*).

FOURTH YEAR.—(*Chemistry Course*). *Class I.*— Edwards, Hersey. *Class II.*—Young.

THIRD YEAR.—(*Chemistry Course*). *Class I.*—Evans (*Prize*). *Class II.*—Jamieson, Calvert, Smaill, Shuttleworth.

ZOOLOGY.

SECOND & THIRD YEARS.—*Class I.*—Evans (*Prize*), Stone, Walker, Bulman. *Class II.*—McCrea, Calvert, Shuttleworth, Jamieson, Smaill, Russel, Bickerdike. *Class III.*—Schwitzer, Tighe, Stuart.

GEOLOGY AND MINERALOGY. (*Ordinary*).

FOURTH YEAR.—*Class I.*—Edwards; Hersey and Young, equal.

THIRD YEAR.—*Class I.*—Lea (*Prize*), Mattice. *Class II.*—Hawkins; Calvert, and Rexford, equal; Ellacott, Shuttleworth. *Class III.*—Denison, Reed.

MATHEMATICS.

FOURTH YEAR.—(*Advanced Astronomy.*) *Class I.*—None. *Class II.*—McFarlane, Strong, Naismith.

THIRD YEAR.—(*Advanced.*) *Class I.*—Mattice (*Prize*), Lea. *Class II.*—None. *Class III.*—Mooney.

THIRD YEAR.—(*Ordinary*). *Class I.*—Lea and Mattice, equal. *Class II.*—Rexford, Denison. *Class III.*—Ellacott, Hawkins, Reed.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Schwitzer, Bulman, Russel. *Class III.*—Bickerdike and Stuart, equal; Wingham, Middleton.

FIRST YEAR.—*Class I.*—Le Rossignol (*Prize*), Laurie, Cunningham. *Class II.*—Adams, Copeland, Rutherford, Bolton, Klock, Mitchell, Denis, Murphy, Smart. *Class III.*—Ryan, Wainwright, Featherston, Simpson, Warren, Fraser, Turner, Pink.

MATHEMATICAL PHYSICS.

THIRD YEAR.—*Class I.*—Evans (*Prize*), Lea. *Class II.*—Calvert and Shuttleworth, equal; Denison, Mattice, Reed, Ellacott, Rexford. *Class III.*—Jamieson, Redpath; Mooney and Smaill, equal; Hawkins.

SECOND YEAR.—*Class I.*—Stone (*Prize*), Walker. *Class II.*—Russel, Wingham, Bickerdike. *Class III.*—Williams, Bulman, Middleton, McCrea, Stuart, Schwitzer.

EXPERIMENTAL PHYSICS.

THIRD YEAR.—*Class I.*—Mooney (*Prize*), Evans (*Prize*), Denison, Smaill, Redpath. *Class II.*—Jamieson, Calvert, Mattice; Shuttleworth and Ellacott, equal; Rexford. *Class III.*—Hawkins and Reed, equal.

SECOND YEAR.—*Class I.*—Stone *Prize*), Walker. *Class II.*—Bulman, Russel, Bickerdike, Williams. *Class III.*—Middleton; Schwitzer and Wingham equal; McCrea.

ENGLISH.

FIRST YEAR.—*Class I.*—Cunningham (*Prize*) and Warren (*Prize*), equal; Le Rossignol. *Class II.*—Rutherford; Adams and Simpson, equal; Laurie and Murphy, equal. *Class III.*—Tasker; Featherston and Purves, equal; Bolton and Denis, equal; Smart, Stevenson, Fraser, Klock, Ryan. Turner, Wainwright; Copeland and *Costigan and *Mitchell and *Pink, equal.

SECOND YEAR.—*Class I.*—Wingham, Walker. *Class II.*—Russel; Schwitzer and Stone, equal. *Class III.*—McCrea. Williams, Bulman, Middleton; Ramsay and Stuart, equal; Bickerdike, Tighe.

THIRD YEAR.—*Class I.*—Rexford, Evans, Jamieson. *Class II.*—Reed, Smaill. *Class III.*—Redpath, Hawkins, Ellacott, Denison.

* With a Supplemental in Dictation.

FRENCH.

FIRST YEAR.—*Class I.*—Le Rossignol, (*Prize*), Laurie. *Class II.*—Cunningham, Adams. *Class III.*—Ryan, Featherston, Klock, Warren, Copeland, Wainwright, Tasker.

SECOND YEAR.—*Class I.*—None. *Class II.*—Stone, Wingham, Russel. *Class III.*—Bulman, Stuart, Schwitzer, Williams.

GERMAN.

FIRST YEAR.—*Class I.*—Cunningham (*Prize*), Bolton, Denis. *Class II.*—None. *Class III.*—McCrea, Fraser, Rutherford, Pink and Smart, equal; Mitchell.

SECOND YEAR.—*Class I.*—Walker.

SECOND YEAR.—(*1st Year Paper*).—*Class I.*—None. *Class II.*—None. *Class III.*—McCrea, Ramsay; Bickerdike and Tighe, equal.

THIRD YEAR.—*Class I.*—None. *Class II.*—Calvert. *Class III.*—Shuttleworth.

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## PASSED SUPPLEMENTAL EAMINATIONS IN FACULTY OF ARTS, 1888-89.

*I.—September*, 1888.

(*a*) Supplemental Sessional.

SECOND YEAR.—Moore, Paton, Swanson, Moss.

FIRST YEAR.—Cameron, Holden, Hamilton, McLeod, Craik.

(*b*) Supplemental in one subject.

SECOND YEAR.—Cameron (J. A.), Finch, Fry, Kinghorn, Ross, Trenholme.

FIRST YEAR.—Hipp, McDougall, Moore (L.), Whyte (J. T), Baillie, Moffatt, Macfarlane.

# Students of the University.

## SESSION 1889-90.

## McGILL COLLEGE.

### FACULTY OF LAW.

#### FIRST YEAR.

| | | | |
|---|---|---|---|
| Francis J. Hatchette, | Montreal, Q | Hibbard, Frederick Wm., | Dublin |
| Geoffrion, Victor, | Montreal, Q | Lamontagne, Charles O., | Montreal, Q |

#### SECOND YEAR.

| | | | |
|---|---|---|---|
| Ambrose, J. D. L., | Montreal, Q | Kneeland, Warren A., | Montreal, Q |
| England, Geo. P., | Sheffal, Q | Pelletier, Hormisdas Remi, | Marieville, Q |
| Girouard, Désiré Howard, | Montreal, Q | Vipond, Thomas John, | Montreal, Q |
| Harvey, Alfred Eugène, | Stanstead, Q | | |

#### THIRD YEAR.

| | | | |
|---|---|---|---|
| Barnard, Chas. Austin, | Montreal, Q | Topp, Francis, | Montreal, Q |
| Clerk, Ronzo Heathcote, | Montreal, Q | | |

#### PARTIAL.

| | | | |
|---|---|---|---|
| Barton, Percy, | Montreal, Q | Higginson, Albert, | Montreal, Q |
| Benedict, Charles, | Montreal, Q | James, Edward, | Montreal, Q |
| Brown, Alex. S., | Montreal, Q | Massey, Thomas, | Montreal, Q |
| Campbell, Robert, | Montreal, Q | Mathewson, Frederick, | Montreal, Q |
| Cleghorn, Henry, | Montreal, Q | Miller, Duncan C., | Montreal, Q |
| Fry, Arthur, | Montreal, Q | Miller, John, | Montreal, Q |
| Fulton, John Napier, | Montreal, Q | | |

### FACULTY OF MEDICINE.

Adams, W. L., San Francisco, U.S.
Addy, G. A. B., St. John, N.B.
Akerly, A. W. K., Fredericton, N.B.
Alexander, W. W., Stanhope, P.E.I.
Anderson, A., Montreal, Q.
Ault, C. A., Oshkosh, Wis.
Ault, C. R., Tilsonburg, O.
Aylen, W. W., Aylmer, Q.

Bayne, C. W., Merivale, O.
Beaman, W. H., Montreal, Q.
Beers, A. H., Montreal, Q.
Bennie, R., Riverfield, Q.
Berwick, G. A., Farnham, Q.
Berwick, R. H., Farnham, Q.
Binmore, J. E., Montreal, Q.
Bissett, C. P., River Bourgeois, N.S.
Booth, J. S., Montreal, Q.
Bowen, G. A., Compton, Q.
Bowes, E. J., Ottawa, O.
Bowie, R. A., Brockville, O.
Boyce, B. F., Norham, O.
Broderick, E. J., Fredericton, N.B.
Brouse, J. E., Brockville, O.

Brosseau, J. A., Ottawa, O.
Brown, F. W. A., Brockville, O.
Brown, W. A., Chesterville, O.
Brown, G. A., Charlottetown, P.E I.
Bruce, D. A., Grand View, U.S.
Burnette, J. T., Cornwall, O.
Burritt, C. H., Mitchell, O.
Busby, J., Pontviews, O.

Calkin, B. H., Kentville, N.S.
Campbell, G. G., Truro, N.S.
Corbin, F. G., Bedford, N.S.
Carlaw, C. M., Warkworth, O.
Carmichael, H. B. W., Montreal, Q.
Chabot, J. L., Ottawa, O.
Chipman, P. J., Halifax, N.S.
Clark, J., Troy, O.
Clarke, J. W., Tatamagouche, N.S.
Clemesha, J. C., Port Hope, O.
Clune, P. J., Warkworth, O.
Coburn, A. D., Keswick Bridge, N S.
Coleman, A. H., Belleville, O.
Connolly, J. A., Lennoxville, Q.
Cooper, W. A., Ormstown, Q.
Creasor, J. A., Owen Sound, O.
Curtis, I. B., Hartland, N.B.

Day, A. R., Guelph, O.
Delaney, W. J., Peterboro', O.
Delphey, E. V., Erie, Mich.
Dewar, A., Ormond, O.
Dickson, N. N., Pembroke, O.

Ellis, T. H., Pembroke, O.
Ellis, W. L., St. John, N.B.
England, W. S., Dunham, Q.
Esson, A. C., Halifax, N.S.
Esson, F. G., Halifax, N.S.
Evans, D. J., Montreal, Q.

Farwell, W. A., Lennoxville, Q.
Fletcher, R. W., Londonderry, N.S.
Fulton, J. A., Franklin Centre, O.

Garrow, A. E., Ottawa, O.
Gemmill, E. W., Almonte, O.
Gibson, R. J., Clinton, O.
Glendenning, R. F., Truemanville, N.S.
Grafton, E. A., Montreal, Q.
Graham, W. C. K., Prescott, O.
Grant, H. A., Pembroke, O.
Gorrell, A. G., Brockville, O.
Green, T. J., Appleton, O.

Halliday, V., Peterboro', O.
Hamilton, H. D., Montreal, Q.
Hamilton, W. F., Sackville, N.B.
Harris, N. M., Ormstown, Q.
Harrison, J. D., Fredericton, N.B.
Hattie, W. H., New Glasgow, N.S.
Hayes, J., Nelson, N.B.
Hayes, Jno., Richmond, Q.
Hayes, P. J., Montreal, Q.
Henderson, J., Warkworth, O.
Hilton, W. L., Montreal, Q.
Hogg, D. H., Stratford, O.
Holden, D. B., Montreal, Q.
Holmes, A. D., Chatham, O.
Hopkins, F. A., Cookshire, Q.
Hubert, P. T., Harbor Breton, Nfld.
Hughes, J. M., Chesterville, O.
Hume, G. L., Leeds, O.

Ibbotson, F. A., Montreal, Q.
Inksetter, W. E., Copetown, O.
Internoscia, A., Montreal, Q.
Irwin, H., Pembroke, O.
Irwin, W. T., Pembroke, O.
Irving, E., Pembroke, O.

Jack, M. G. DeV., Fredericton, N.B.
Jamieson, Thos., Buffalo, N.Y.
Jayet, A. A., Montreal, Q.
Jenkins, W. E., Conquerall, N.S.
Jento, C. P., Mellville, O.
Johnson, Albert, ——, O.
Jones, W. A., Clandeboye, O.

Kee, D. M., Fordyce, O.
Keir, E. J., Princeton, P.E.I.
Kelley, C. J., West Flamborough, O.
Kemp, H. D., Montreal, Q.
Kent, H. V., Truro, N.S.
Kerr, N., Holyrood, O.
Kerr, W. J., Montreal, Q.
King, H. S., Sarnia, O.

Labell. M. J., Lewis, N.Y.
Lambert, E. M., Ottawa, O.
Lang, F. W., St. Marys, O.
Langley, A. F., Victoria, B.C.
Lewin, A. A., St. John, N.B.
Liddell, G. L., Cornwall, O.
Love, A., New Glasgow, O.
Lovering, W. T., Northfield, Minn.
Low, D., Palmerston, O.

Mader, A. I., New Canada, N.S.
Mair, A. W., Clinton, O.
Martin, C. F., Montreal, Q.
Martin, M. McL., Brown's Creek, P.E.I.
Martin, J. M., Brown's Creek, P.E.I.
Martin, S. H., Savage Mines, Q.
Massiah, W. B. H., Barbadoes, W.I.
Masson, H. J., Peterboro', O.
Mathieson, C. S., Harrington, P.E.I.
Mead, Chas., Morrisburg, O.
Meikle, W. F., Morrisburg, O.
Mill, J., Aylmer, Q.
Morehouse, O. E., Gibson, N.B.

Moore, J. M., Belleville, O.
Morphy, A. G., London, O.
Morris, O., Pembroke, O.
Morris, F., Fareville, N.B.
Morrow, W. S., Halifax, N.S.
Moss, J. M., Carleton Place, O.
Mowat, M. M., Williamstown, O.
Muirhead, D. A., Carleton Place, O.
Mulligan, E. A., Aylmer, Q.
Murray, D. A., Black Meadows, N.S.
Murray, M. W., Beachwood, O.
Mutch, P. R., St. John, N.B.
McCann, E., Smith's Falls, O.
McCrimmon, A. A., St. Thomas, O.
McCurdy, T., Ormstown, Q.
McDonald, M. S., Scotchtown, O.
McDonald, H. N., Laggan, O.
McDonald, G., Renfrew, O.
McDonald, A , Iroquois, O.
McDonald, P. A., Alexandria, O.
McEown, F., Winnipeg, Man.
McEwen, H., Carleton Place, O.
McGauran, G. F., Richmond, Q.
McGregor, J. G., Martintown, O.
McGuire, J. C., Trenton, O.
McHarg, R. F., Leeds, O.
McIntosh, D. H., Carleton Place, O.
McKay, D. T , Clifton, P.E.I.
McKay, H. H., Pictou, N.S.
McKee, G. L., Coaticook, Q.
McKechnie, R. E., Winnipeg, Man.
McKenty, J. E., Richmond, Q.
McKenzie, P. J., Melbourne, Q.
McKenzie, R. T., London, O.
McKercher, H., Stittsville, O.
McKinnon, T. H., Lockport, N.S.
McKinnon, A J., Kinross, O.
McLellan, A. C., Indian River, P E.I.
McLellan, A. A., Summerside, P.E.I.
McLennan, D. A., Fournier, O
McLeod, H. S., Dunstaffnage, P.E.I.
McManus, H. D., Fredericton, N.B.
McMillan, J. H., Pictou, N.S.
McNally, H., Fredericton, N.B.
McPhillips, X., Winnipeg, Man.

Noble, C. T., Sutton, O.

O'Connor, C., Worcester, Mass.
Oliver, A. J., Cowansville, Q.
Outwater, S. W., Plainfield, O.

Palmer, P. E., Riverside, N.B.
Park, G. H., Quebec.
Paterson, L., Harbor Grace, Nfld.
Patton, H. M., Winnipeg, Man.
Peake, J. P., Fredericton, N.B.
Phelan, E D., Montreal, Q.
Philp, W. S., Montreal, Q.

Reed, T. B., Montreal, Q.
Reid, J. T., Montreal, Q.
Richards, S., Ottawa, O.
Robertson, T. F., Brockville, O.
Robertson, W., Chesterfield, O.
Robertson, E. A., Lennoxville, Q.
Richardson, W. B., Chicago, Ill.
Robinson, B. E., Orillia, O.
Rodgers, W., Montreal, Q.
Ross, J., Halifax, N.S.
Ross, H. R., Quebec.

Scovil, W. T., Fredericton, N B.
Shanks, A. L., Huntingdon, Q.
Smith, T. H , North Sydney, C B.
Smith, W. D., Plantagenet, O.
Smith, C. F., West Winchester, O.
Smith, A. G , St. Marys, O.
Sparling, A. J., Pembroke, O.
Spier, J. R., Lindsay, O.
Springle, J. A., Clarenceville, Q.
Swaill, Wm., Montreal, Q.

Taplin, M M., Addison, Q.
Taylor, J. N., Ottawa, O.
Taylor, T. T., Montreal, Q.
Telfer, W. J., Burgoyne, O.
Thompson, F. E., Quebec
Thompson, J., Moulinette, O.
Tremblay, L., Ottawa, O.
Troy, W., Valleyfield, Q.
Tunstall, A., Montreal, Q.

Vipond, A. G., Montreal, Q.

Walker, W. G., Stratford, O.
Walsh, T. N., Ormstown, Q.
Walsh, W. E., Ormstown, Q.
Watson, N. M., Williamstown, O.
Webster, R. E., Brockville, O.
Wheeler, C. L , Montreal, Q.
White, D. D., Montreal, Q.
Whyte, J. J., Lancaster, O.
Wilson, W. A., Derby, N.B.
Williamson, H. M., Guelph, O.
Williamson, W. P., Chatham, O.
Woodruff, E. H., St. Catharines, O.

Yates, H. B., Brantford, O.
Yorston, F. S., Truro, N.S.

## FACULTY OF ARTS.

### *Undergraduates.*

#### FIRST YEAR.

| *Name* | *School.* | *Residence.* |
|---|---|---|
| Anderson, John D., | Private Tuition, | Tiverton, O |
| Archibald, Edward, | H. S., Montreal, | Montreal, Q |
| Aylen, Ernest D., | Lachute Academy, | Aylmer, Q |
| Barron, Robt. H., | Lachute Academy, | Lachute, Q |
| Blachford, Henry, | Huntingdon Academy, | Huntingdon, Q |
| Blunt, Henry W., | Waterloo Academy, | West Bolton, Q |
| Blunt, Simon B., | Waterloo Academy, | Knowlton, Q |
| Brown, Daniel, | Huntingdon Academy, | Morris Flats, Q |
| Carmichael, S., | Bishop's College School, | Montreal, Q |
| Cushing, Harold B., | H. S., Montreal, | Montreal, Q |
| Davey, R. George, | Whitby Collegiate Institute, | Whitby, O |
| Davis, Ernest A., | Huntingdon Academy, | Morris Flats, Q |
| Day, Maurice B., | H. S., Montreal, | Montreal, Q |
| Drum, Lorne. | Bishop's College School, | Quebec, Q |
| Ellicott, T. W. H., | H. S., Montreal, | Montreal, Q |
| Fraser, Allan, | Huntingdon Academy, | Dundee, Q |
| Fraser, Alex. D., | Huntingdon Academy, | Dundee, Q |
| Grisbrook, Ed. O., | Private Tuition, | Sarnia, O |
| James, K. G. H., | Clifton, England, | Bristol, Eng |
| Jaquays, H. M., | Sutton Academy, | Sutton, Q |
| Jekill, Henry, | Dioc. Theological College, | Morris Flats, Q |
| Kollmyer, W. Hector, | H. S., Montreal, | Montreal, Q |
| Mallarg, Robert J., | St. Francis College, | Quebec, Q |
| MacIver, E J., | H S., Montreal, | Montreal, Q |
| McKenzie, Wm., | H. S., Morrisburg, | Morrisburg, O |
| McLennan, Kenneth, | H. S., Alexandria, | Alexandria, O |
| Meade, Charles J., | H. S., Morrisburg, | Morrisburg, O |
| Meikle, Wm. F., | H. S, Morrisburg, | Morrisburg, O |
| Mitchell, R J. W., | H. S., Montreal, | Montreal, Q |
| Patterson, Wm , | Ottawa Collegiate Inst. | Cantley, Q |
| Pritchard, Wm. S., | H. S., Harriston, | Redgrave, O |
| Read, George E , | Cherville College, | Romsey, Eng. |
| Robertson, A., | H. S., Weston, | Woodbridge, O |
| Robins, George D., | H. S., Montreal, | Montreal, Q |
| Rodger, David A., | Lachute Academy, | Genoa, Q |
| Ross, Robert O., | Baddock Ac., C.B., | Margaree, C.B |
| Russell, Wm., | H. S., Montreal, | Matane, Q |
| Ryan, Percy C., | Ottawa Collegiate Inst., | Montreal, Q |
| Sadler, Thomas A., | Huntingdon Ac., | Dewitville, Q |
| Shaw, Henry S., | H. S., Montreal, | Montreal, Q |
| Smyth, Walter H., | H. S., Montreal, | Montreal, Q |
| Taylor, James, | Ottawa Collegiate Inst. | Ottawa, O |
| Thompson, James, | Lachute Ac., | Bristol, Q |
| Wasson, Hilliard, | Peterboro Collegiate Inst. | Warsaw, O |
| Williams, Edward J., | H. S., Pembroke | Montreal, Q |
| Wood, Arthur B., | H. S., St. John's, Q., | St. John's, Q |

#### SECOND YEAR.

| | | |
|---|---|---|
| Cameron, Donald E., | H. S., Montreal, | Montreal, Q |
| Cole, Arthur A., | H. S., Montreal, | Montreal, Q |
| Craik, Galen, | Huntingdon Ac., | Rockburn, Q |
| Dobson, John R., | Pictou Academy, | Pictou, N S |

| | | |
|---|---|---|
| Ellenwood, Wm. R., | Private Tuition, | Yarmouth, N S |
| Flinn, John W., | Pictou Academy, | Wallace, N S |
| Gunn, Wm. Thos., | H. S., Montreal, | Montreal, Q |
| Guthrie, Donald, | Guelph Collegiate Inst., | Guelph, O |
| Harris, Wm., | St. Catharine's Collegiate Inst., | Brantford, O |
| Hamilton, Dan. S., | Private Tuition, | Ravenswood, O |
| Henderson, Wm. A., | St. Mary's Collegiate Inst., O., | Stanstead, Q |
| Hipp, E. G., | King's College, London Eng,., | Montreal, Q |
| Holden, Arthur R., | H. S., Montreal, | Montreal, Q |
| Hunter, James C., | H. S. Pembroke, | Pembroke, O |
| LeRossignol, W. J., | H. S., Montreal, | Montreal, Q |
| McAlpine, John J., | Stanstead Wesleyan Coll., | Welland, O |
| McDougall, G. W., | H. S., Montreal, | Montreal, Q |
| McGregor, John M., | H. S., Montreal, | Montreal, Q |
| McLeod, Norman A. D., | Pictou Academy, | Lochside, N S |
| Moore, Levi, | Lachute Academy, | Lachute, Q |
| Oliver, William, | Huntingdon Academy, | Rockburn, Q |
| Orton, Richard H. | Guelph Collegiate Inst., | Guelph, O |
| Reeves, Arch. C., | Huntingdon Academy, | Ormstown, Q |
| Russell, Andrew, | Private Tuition, | Bristol, Q |
| Tees, John, | H. S., Montreal, | Montreal, Q |
| Warne, James F., | Stanstead Wesleyan Coll, | Eastman, Q |
| Warne, Wm. A., | Stanstead Wesleyan Coll., | Eastman, Q |
| Whyte, Geerge | St. Francis College, | Leeds Village, Q |
| Whyte, Jas. T, | H. S., Almonte, | Manotick, O |
| Young, Henry C., | Barton | North Troy, Vt., U S |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Cameron, John A., | Huntingdon, Q | Mathewson, George H, | Montreal, Q |
| Colclough, Wm. F., | St. Catharines, O | Moore, Saml., | Mille Isles, Q |
| Daley, James, | Stouffville, O | Moss, W. T. D., | Portage la Prairie, Man |
| Davidson, Peers, | Montreal, Q | Nicholls, Albert G., | Montreal, Q |
| Elliott, James A., | Shawville, Q | Parker, John, | Leeds Village, Q |
| Elliott, Edward A., | Ulverton, Q | Paton, W. E., | Sherbrooke, Q |
| Finch, C. W., | Caledonia, O | Reid, William D., | Maple Hill, Q |
| Fraser, D. J., | Alberton, P.E.I. | Richardson, P. L., | Lyn, O |
| Fry, Fred. M., | Montreal, Q | Robertson, Andrew A., | Montreal, Q |
| Hall, Alex. R., | Montreal, Q | Ross, Joseph J., | Dewittville, Q |
| Hunter, Alexander, | Bute, Q | Sutherland, Hugh C., | Embro, O |
| Kinghorn, H. M., | Montreal, Q | Swanson, Isaac J., | Stouffville, Q |
| McGregor, A. M., | Montreal, Q | Tolmie, Alexander, | Montreal, Q |
| McDougall, Robert, | Ormstown, Q | Tory, H. M., | Montreal, Q |
| McDuffee, Lewis P., | Stanstead, Q | Trenholme, Edward C., | Montreal, Q |
| McVicar, Donald, | Strathroy, O | Walsh, Alex. W., | Huntingdon, Q |
| Mack, Silas W., | Ayer's Flat, Q | | |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Deeks, W. E., | North Williamsburg, O | Meighen, F. S., | Montreal, Q. |
| Garth, W. H., | Montreal, Q | Read, F. W., | Montreal, Q |
| Gibson, W. D., | Morrisburg, O | Robertson, James, | Waddington, N.Y., U.S |
| Holden, Donald B., | Montreal, Q | Rogers, William, | Lakefield, O |
| Jamieson, Walter L., | Montreal, Q | Stevenson, James H., | South Dummer |
| McCusker, S. F., | Hawkesbury, O | Truell, Harry V., | Stanstead, Q |
| Mackenzie, R. T., | Almonte, O | Walsh, Thos. N., | Ormstown, Q |

*Partial and Occasional.*

[A *Partial Student* may, without passing the Entrance Examination, take the same course as an Undergraduate, and must take at least three classes. Undergraduates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes *Partial Students* are indicated by * ]

| | | | |
|---|---|---|---|
| *Bullock, W. S., | Roxton Pond, Q | *Kennedy, John, | Conn. Co., Wellington, O |
| *Caldwell, Henry, | Carney, O | | |
| *Cameron, Henry J., | Cowansville, Q | *Lambly, M. O., | Inverness, Q |
| *Dibb, F. T., | Montreal, Q | *Lambly, W. D., | Inverness, Q |
| *Dixon, James C. | Montreal, Q | *Lord, H. L., | Grande Ligne, Q |
| *Dougall, F. E., | Montreal, Q | *McInnes, J. R., | |
| *Eadie, Robert | Sherbrooke, Q | *Morris, John T., | Whitby, O |
| *Eaglestone, Joseph, | Montreal, Q | *Oaten, Fred. J., | Bracebridge, O |
| *Flagg, Edwin, | Morrisburg, O | *Rankin, John, | Montreal, Q |
| *Graham, George D., | Ottawa, O | *Sanderson, Albert E., | Bowmanville, O |
| *Judge, Percival E., | Montreal, Q | *Tener, R., | Montreal, Q |
| | | | |
| Ballantyne, R. S.. | Dunbar, O | Maynard, E. | St. Brigide, Q |
| Biron, M. W., | Masham Mills, Q | Maynard, Joseph, | St. Brigide Q |
| Blunt, Forest H., | Knowlton, Q | Maynard, Moise, | St. Brigide, Q |
| Bouchard, L. R., | Sherbrooke, Q | McDiarmid, Archd. H., | Dornoch, O |
| Campbell, D., | Montreal, Q | McLaren, Narcisse, | Chicoutimi, Q |
| Campbell, Archibald M., | Montreal, Q | Mitchell, Wm. H., | Drummondville, Q |
| Charles, Guillaume, | Montreal, Q | Morison, J. A., | |
| Clendinnen, G. S., | Ottawa, O | Page, Arthur, | |
| Coffin, James W., | Montreal, Q | Robertson, David T., | Madrid, O |
| Cook, Wm. Archibald, | Montreal, Q | Rolit, Charles D.G., | Montreal, Q |
| Fyles, W. B. (B A.), | Montreal, Q | St. Aubin, T. S., | Montreal, Q |
| Giroulx, L., | Duclos, Q | Sauvé, N. A., | Hull, Q |
| Gourlay, J. J. L., | Carp, O | Scott, M S. | |
| Horsey, H. E., | Kingston, Q | Sullivan, James J. | |
| Jackson, F. S., | Montreal, Q | Thompson, John Stuart | |
| Lloyd, J. | | | |
| | | | |
| Baillie, J. E. S., | Hamilton O | McLeod, John William, | Kirkhill, O |
| Black, John F., | Colquhoun, O | *Manning, Charles E M., | Montreal, Q |
| Cameron, Malcolm J. | | *Mitchell, Thomas A., | Linder, N.S. |
| Chantler, William N., | West Assa | Moore, Churchill, | Economy, Col. Co., N.S. |
| Cleary, I. R. S. | | | |
| Capel, E. T., | Montreal, Q | Patton, Walter M., | Montreal, Q |
| *Humphrey, J. W., | Cowansville, Q | Tory, James C., | Guysboro, N.S. |
| Lee, Wilberforce, | Toronto, O | Tripp, Frederick, | Spenceville, O |
| MacCallum, Charles A., | Montreal, Q | Walsh, William E. | |
| *MacCaskill, D. D., | Little Narrows, C.B. | | |
| | | | |
| Ashton, John J., | Newcastle, O | *Long, James A., | Lavender |
| Barnes H. T., | Montreal, Q | Porter, G. H., | |
| H rrison, —, | | Runions, John W, | Northfield, O |
| *Hausen, J F., | Montreal, Q | *Watt, William James, | Montreal, Q |
| McLeod, —, | | | |
| | | | |
| Beattie, W. J. M., | Mille Isles, Q | Intermoscia, Jerome, | Montreal, Q |
| Fluhman, E. F., | Namur, Q | | |

## SPECIAL COURSE FOR WOMEN.

*Undergraduates.*

FIRST YEAR.

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Angus, Frances R., | G. H. S., Montreal, | Montreal, Q. |
| Boright, Mabel, | Sutton Ac., | Sutton, Q. |
| Campbell, Kate M., | G. H. S., Montreal | Montreal, Q |
| Campbell, R.F., | McG. Normal School, | Montreal, Q |
| Craig, Eleanor, | McG. Normal School, | Montreal, Q |
| Hunt, Louisa E., | McGill Normal School, | Lennoxville, Q |
| Leach, Milda, | Misses Symmers & Smith, | Montreal, Q |
| Lyman, Helen W., | G. H. S., Montreal, | Montreal, Q |
| McCoy, Emma C., | Huntingdon Ac., Q., | Rockburn, Q |
| MacDonald, Minnie L., | G. H. S., Montreal, | Montreal, Q |
| Pitcher, Ethelwyn | H.S , Morrisburg, | Montreal, Q |
| Raynes, Ethel, | G H. S., Montreal, | Montreal, Q |
| Ross, Jessie K., | G. H. S., Montreal, | Montreal, Q |
| Tatley, Eleanor, | Private Tuition, | Montreal, Q |

SECOND YEAR.

| | | | |
|---|---|---|---|
| Baillie, Jeanie F., | Putnam Co., Florida, U.S. | Moffatt, Eva L., | Gananoque, Q |
| | | Mooney, Caroline J., | Montreal, Q |
| Hall, Bessie, | Montreal, Q | Patterson, Mary L., (McG. N. S.) | |
| McGregor, E B., (McG.N.S.) | Montreal, Q | | Clarenceville, Q |
| McMillan, Helen, | Montreal, Q | Robinson, Maude Alice, | Montreal, Q |
| Mewhort, Louise, | St Anne, Q | Smith G. Louise, | Montreal, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Abbott Maude M., | St. Andrew's, Q | Derick, Carrie M., | Clarenceville, Q |
| Binmore, Elizabeth, (McG. N. S.) | Montreal, Q | Henderson, Mary J., | Montreal, Q |
| | | Macfarlane, Mira, | Montreal, Q |
| Botterell, H. Inez R., | Montreal, Q | Scott, Sarah B., | Montreal, Q |
| Botterell Jeanie T., | Montreal, Q | Williams, Annie, | Montreal, Q |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Reid, Helen B., | Montreal, Q | Wilson, Alice Maud, | Montreal, Q |
| Squire, Maude M., | Gananoque, O | | |

*Partial.*

| | | | |
|---|---|---|---|
| Blachford, Agnes C., | Montreal, Q | Locke, Margaret, | Montreal, Q |
| Coussirat, Eve J., | Montreal, Q | McDuffee, Mary E., | Derby Line, Vt. |
| De Witt, Emily F., | Montreal, Q | Mussen, Ethel I., | Montreal, Q |
| Finlay, Margaretta, | Montreal, Q | Steene, Henrietta, | Farran's Point |
| Galt, O., | Montreal, Q | Robins, L. B., | Montreal, Q |
| Holland, Gertrude E., | Montreal, Q | | |

*Occasional.*

| | | | |
|---|---|---|---|
| Barrie, Jessie, | Morrisburg, O | Campbell, Maude, | Montreal, Q |
| Bazin, L. C., | Montreal, Q | Campbell, May, | Montreal, Q |
| Bazin, M., | Montreal, Q | Campbell, E. M., | Montreal, Q |
| Blake, R., | Montreal, Q | Campbell, C. J. L., | Montreal, Q |

| | |
|---|---|
| Cowlie, Emily, | Montreal, Q |
| Darling, M. I., | Montreal, Q |
| Dawson, E., | Montreal, Q |
| Duncan, C. Jane, | Campbelltown, N.B |
| Evans, Blanche B., B.A., | Montreal, Q |
| Evans, Mabel N., | Montreal, Q |
| Finley, E. M., | Montreal, O |
| Finley, M. S., | Montreal, Q |
| Fisher, A. R., | Montreal, Q |
| Fisher, Gertrude, | Montreal, Q |
| Gairdner, P., | Montreal, Q |
| Gault, M. F., | Montreal, Q |
| Hunter, Georgina, B.A., | Montreal, Q |
| Johnson, E., | Montreal, Q |
| Johnson, H., | Montreal, Q |
| Johnson, N., | Montreal, Q |
| Joseph, Carrie, | Montreal, Q |
| Kennedy, L. M., | Montreal, Q |
| Lamb, L., | Montreal, Q |
| Macrae, Mabel, | Montreal, Q |
| Mattice, Brenda B., | Montreal, Q |
| McLea, Rosalie, | Montreal, Q |
| McNaughton, M., | Montreal, Q |
| Michaels, N., | Montreal, Q |
| Mills, Alice, | Montreal, Q |
| Minchin, Louise K., | Montreal, Q |
| Monk, Isa M., | Montreal, Q |
| Moyse, Helen, | Torquay, Eng |
| Murray, E. A. P., | Montreal, Q |
| Norman Charlotte, | Montreal, Q |
| Power, Florence, | Montreal, Q |
| Radford, Annie E., | Montreal, Q |
| Richardson, C., | Montreal, Q |
| Robertson, Agnes, | Montreal, Q |
| Schaifer, Marie, | Montreal, Q |
| Scott, Marguerite L., | Montreal, Q |
| Skelton, A. R., | Montreal, Q |
| Simms, A. F., | Montreal, Q |
| Slessor, Christina, | Montreal, Q |
| Stevenson, W. T., | Montreal, Q |
| Tatley, H., | Montreal, Q |
| Thompson, M. W., | Montreal, Q |
| Wand, Mabel | Montreal, Q |
| Warden, Lila, | Montreal, Q |
| Watt, Edith, | Montreal, Q |
| Waud, Emily M., | Montreal, Q |
| Whitehead, A. Maud, | Montreal, Q |
| Wilson, Margaret, | Montreal, Q |
| Williams, Ella E., | Montreal, Q |
| Williams, Sarah H., | Montreal, Q |
| Vipond, M., | Montreal, Q |

## MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

| | |
|---|---|
| Anderson, Duncan P., | Levis, Q. |
| Arnold, James, | Broughty Fy., Scotland |
| Blue, John H. F., | Metis, Q. |
| Brown, Martha Lucinda, | Quebec |
| Brodie, Charles E., | Quebec |
| Craig, N. Hugh, | Marlow, Q. |
| Desbrisay, Charles T., | Jacquet R., N.B. |
| Fisher, Ethel Wand, | Quebec |
| Hale, Edward Rupell, | Quebec |
| Jamieson, David M., | Inverness, Q. |
| Jamieson, William J., | Inverness, Q. |
| Lindsay John, | Danville, Q. |
| Livingston, Neil, | Hampden, Q. |
| Logie, Edward S., | Leeds, Q |
| Macleod, Euphemia, | Quebec |
| McCullough, Robert, | Inverness, Q. |
| McDonald, Simon, | Quebec |
| McLeod, Thos., G.J.McT., | Chatham, N.B. |
| Pidgeon, George Campbell, | Maria, Q. |
| Robertson, Adam, | Edinburgh, Scotland |
| Sloane, Edith Jane, | Quebec |
| Sloane, Samuel T., | Quebec |
| Smith, George H., | Hawkesbury, Ont. |
| Tanner, John F. E., | Levis, Q. |
| Webb, Jas. Douglas, | Quebec |
| Whitelaw, James Menzies, | Valcartier, Q |

*Partial Students.*

| | |
|---|---|
| Anderson, Duncan, | Quebec |
| Breakey, Andrew, | Quebec |
| Hale, Trevor A., | Quebec |
| MacNaughton, Frank, | Quebec |
| McLeod, James St. M., | Quebec |
| McCord, Wm. W., | Quebec |
| Meiklejohn, Louisa, | Quebec |
| Russell, Robert, | Quebec |
| Tanner, Olympe M., | Quebec |

## ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

| | |
|---|---|
| Bannister, Alex. M., | Oakland, O |
| Bayne, N. M., | Leeds, Q |
| Bowden, W., | Richmond, Q |
| Dickson, E. H. T., | Kingsey, Q |
| Fraser, Hortense C., | Durham, Q |
| McConnell, J. H., | Drummondville, Q |
| McKenzie, R. J., | Melbourne, Q |
| McLeay, A. A., | Danville, Q |
| McLeod, A. J., | Brompton, Q |
| Pennoyer, Alex., | Sherbrooke, Q |
| Wilson, E. K., | Leeds, Q |

## FACULTY OF APPLIED SCIENCE.

### FIRST YEAR.

| | | | |
|---|---|---|---|
| Adams, W. C., | Montreal, Q | Murphy, P. J., | Quebec Q |
| Bolton, E., | | Pink, L. N., | |
| Copeland, L. B., | Montreal Q | Rutherford, F., | Montreal, Q |
| Cunningham, W. N., | | Ryan, A. J., | |
| Denis, T., | France | Simpson, L., | |
| Featherston, J. H., | Montreal, Q | Smart, W. C. G., | Hamilton, O |
| Fraser, W. F., | Pembroke, O | Tasker, G. P., | Montreal, Q |
| Klock, A., | Aylmer, Q | Turner, J. A., | Hamilton, O |
| Lawrie, W. P., | Quebec, Q | Warren, W. H., | |
| Le Rossignol, P. H., | Montreal, Q | Wainwright, J. G. R. | |
| Mitchell, G., | New Glasgow, N S | | |

### SECOND YEAR.

| | | | |
|---|---|---|---|
| Bickerdike, R., | Montreal, Q | Schwitzer, J. E., | Ottawa, O |
| Bulman, W. J., | Sweetsburg, Q | Stone, E. A., | Montreal, Q |
| Middleton, P. H., | Montreal, Q | Stuart, H., | Montreal, Q |
| McCall, A. E., | Belleville, O | Walker, W. H., | Montreal, Q |
| McCrea, G. E., | Merrickville, O | Wingham, T. H., | Montreal, Q |
| Ramsay, H. M., | Cote St. Antoine, Q | Williams, M. L., | Montreal, Q |
| Russell, H. Y., | Montreal, Q | | |

### THIRD YEAR.

| | | | |
|---|---|---|---|
| Calvert, S., | Rockdale, England | Mattice, E. E. S., | Cornwall, Q |
| Denison, W. S., | Denison's Mills, Q | Mooney, G. W., | Montreal, Q |
| Ellacott, C. H., | Cote St. Antoine, Q | Redpath, P. W., | Montreal, Q |
| Evans, P. N., | Montreal, Q | Rexford, O., | Knowlton Landing, Q |
| Hawkins, A. H., | Listowel, O | Reed, C. B., | Montreal, Q |
| Jamieson, R. H., | Montreal, Q | Shuttleworth, A. E., | Mount Albert, O |
| Lea, R., | Crapaud, P E I | Smaill, W., | Montreal, Q |

### FOURTH YEAR.

| | | | |
|---|---|---|---|
| Antliff, J. H., | Montreal, Q | McLennan, M. J., | Williamstown, O |
| Addie, G. K., | Sherbrooke, Q | Naismith, P. L., | Pembroke, O |
| Edwards, G. M., | Montreal, Q | Strong, A. W., | Summerside, P.E.I. |
| Hersey, M. L., | Montreal, Q | Tuplin, J. P., | New Annan, P.E.I. |
| McFarlane, M. C., | Almonte, O | Young, A., | Almonte, O |

### *Partial Students.*

| | | | |
|---|---|---|---|
| Brown, J. C., | Montreal, Q | Purves, J., | |
| Cook, G. C., | Canso, N.S. | Rankine, — | Montreal, Q |
| Costigan, J. S., | Montreal, Q | Sullivan, J. J. S., | Valleyfield, Q |
| Drummond, A. L., | Montreal, Q | Stevenson, J. A., | |
| Grant, —, | | Tighe, J., | Co. Cavan, Ireland |
| Hopkins, N. W., | Hamilton, O | McLeod, N., | Lochside, N.S |

1898-89



## SUMMARY.

| | | | |
|---|---|---|---|
| Students in Law, McGill College | | | 27 |
| " in Medicine | " | | 243 |
| " in Arts (Mem) | " | Undergraduates, 123<br>Partial and Occasional, 82 | 205 |
| " Special Course for Women— | | Undergraduates, 36<br>Partial, 11<br>Occasional, 59 | 106 |
| " in Applied Science, | | Undergraduates | 58 |
| | | Partial | 12 |
| " in Arts, Morrin College, Undergraduates and Partials | | | 35 |
| " " St. Francis College, Undergraduates | | | 12 |
| Total number of Students | | | 698 |
| Deduct entered in two Faculties | | | 5 |
| | | | 693 |
| Teachers-in-training in Normal School | | | 98 |
| Total Students | | | 791 |

# School Certificates of the Universities.

## STANDING IN THE EXAMINATIONS, 1889.

### ASSOCIATES IN ARTS.

*I. Candidates under 18 years of age.*

| No. | | |
|---|---|---|
| 11. | Louis Greenberg (High School, Montreal), | 1258 Marks. |
| 12. | Charles C. Gurd (High School, Montreal), | 1175 " |
| 34. | Angus R. Mackay (Eliock School, Montreal), | 1113 " |
| 70. | James T. Brown (Huntingdon Academy), | 1105 " |
| 81. | Alexander Cruikshank (Inverness Academy), | 1079 " |
| 33. | Joseph W. A. Hickson (Eliock School, Montreal), | 1077 " |
| 6. | William Donahue (High School, Montreal), | 1061 " |
| 82. | Edward M. Campbell (Inverness Academy), | 1059 " |
| 16. | William M. MacKeracher (High School, Montreal), | 1048 " |
| 3. | Alfred T. Bazin (High School, Montreal), | 1031 " |
| 127. | Mary Jane Pearce (Girls' Academy, Sherbrocke), | 1026 " |
| 27. | Mary A. LeRossignol (Girls' High School, Montreal), | 1017 " |
| 85. | Robert J. Hanran (Inverness Academy), | 990 " |
| 22. | Jessie Ballantyne (Girls' High School, Montreal), | 984 " |
| 103. | Alexander Brodie (High School, Quebec), | 969 " |
| 54. | Agnes A. Carter (Cowansville Academy), | 960 " |
| 58. | Arthur Burnet (Cowansville Academy), | 958 " |
| 72. | Cecil L. Brown (Huntingdon Academy), | 953 " |
| 18. | Albee A. Skeels (High School, Montreal), | 930 " |
| 24. | Margaret Craig (Girls' High School, Montreal), | |
| 57. | Percy H. Gregory (Cowansville Academy), | 928 " |
| 10. | Alfred W. Gifford (High School, Montreal), | 916 " |
| 129. | F. Nellie Brown (Girls' Academy, Sherbrooke), | 914 " |
| 4. | Leslie H. Boyd (High School, Montreal), | 912 " |
| 111. | Sydney M. Dickson (St. Francis Coll. School, Richmond), | 907 " |
| 126. | Jennie Rugg (Girls' Academy, Sherbrooke), | 903 " |
| 5. | James Cox (High School, Montreal), | 895 " |
| 56. | Lucy A. Oliver (Cowansville Academy), | 872 " |
| 128. | Florence Moy (Girls' Academy, Sherbrooke), | 871 " |
| 74. | John McGerrigle (Huntingdon Academy), | 870 " |
| 145. | George F. Allen (Waterloo Academy), | 869 " |
| 148. | William T. Freeland (Waterville Model School), | 868 " |
| 14. | George W. Henderson (High School, Montreal), | 864 " |
| 43. | Mary L. Bush (Clarenceville Academy), | 856 " |
| 13. | John J. Hamilton (High School, Montreal), | 833 " |

75. Rosalind Watson (Huntingdon Academy), 832 Marks,
28. Gracie H. Tickle (Girls' High School, Montreal), 827 "
134. Charles H. Mansur (Stanstead Wesleyan College), 823 "
55. William F. Carter (Cowansville Academy), 821 "
132. Ethel L. Gale (Stanstead Wesleyan College), 806 "
112. Harriet A. Fraser (St. Francis Coll. School), 805 "
21. Marion Evelyn Antliff (Girls' High School, Montreal), 802 "
79. John W. Blackett (Huntingdon Academy), } 801 "
88. Barbara A. Brown (Inverness Academy ;
15. Ernest Linton (High School, Montreal), 792 "
32. Ella May Sicotte (Misses Symmers & Smith's School, Montreal) 789 "
104. Edward J. C. Chambers (High School, Quebec), 789 "
31. Blanche Spence (Misses Symmers & Smith's School), 783 "
131. Jennie Mills (Stanstead Wesleyan College), 779 "
60. Alice L. Selby (Dunham Academy), 773 "
78. Frederick S. Spearman (Huntingdon Academy), 772 "
133. May Henderson (Stanstead Wesleyan College), 760 "
87. Peter McKenzie (Inverness Academy), 755 "
23. Isabel E. Brittain (Girls' High School, Montreal), 751 "
80. John McMullan (Huntingdon Academy), 742 "
59. Nellie F. Selby (Dunham Academy), 741 "
26. Jennie Hughes (Girls' High School, Montreal), 733 "
61. Julia S. Clement (Dunham Academy), 707 "
64. Annie E. McDonald (Gould Model School), 685 "
116. J. Armitage Ewing (St. Francis Coll. School), 679 "
47. Fannie E. Baldwin (Coaticook Academy), 653 "
9. Frank C. Fraser (High School, Montreal), 647 "
17. Arthur W. K. Massey (High School, Montreal), 609 "
48. Laura L. Foster (Coaticook Academy), 482 "

*II. Candidates over* 18 *years of age.*

73. John A. McMaster (Huntingdon Academy), 937 "
84. William S. Johnson (Inverness Academy), 913 "
69. Margaret B. Walker (Huntingdon Academy), 906 "
108. Catherine M. M. Howard (St. Francis College School), 880 "
105. Isabella Brodie (Girls' High School, Quebec), 873 "
115. Theresa F. Bannister (St. Francis College School), 861 "
49. Henrietta E. Keough (Coaticook Academy), 838 "
144. Annie M. Warne (Waterloo Academy), 746 "
36. Carrie M. Sulis (Girls' High School, St. John, N.B.), 714 "
121. Lionel Hodgins (Shawville Academy), 704 "

62. Agnes M. Johnson (Dunham Academy), 690 Marks.
149. Elizabeth J. Ball (Waterville Model School), 686 "
25. Effie S. Gurd (Girls' High School, Montreal), 676 "
124. William E. Morehouse (Sherbrooke Boys' Academy), 649 "
118. Robert McMorine (St. Francis College School), 619 "
42. Hannah M. McLean (Girls' High School, St. John, N.B.), 576 "
40. Helen E. Burns (Girls' High School, St. John, N.B.), 570 "
38. Zebie F. Murray (Girls' High School, St. John, N.B.), 566 "

JUNIOR CERTIFICATES.

*I. Under 18 years of age.*

130. Margaret McLellan (Girls' Academy, Sherbrooke), 565 "
65. Louisa H. Chalmers (Granby Academy), 456 "

*II. Over 18 years of age.*

67. Howard L. Hindley (Granby Academy), 437 "

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## McGILL UNIVERSITY, MONTREAL.

The following candidates have passed the Examinations required for Matriculation.

*I. In Arts.*

| | | | |
|---|---|---|---|
| Allen, George F., | Waterloo, Q | Hodgins, Lionel, | Shawville, Q |
| Armitage, Wm. D., | Shawville, Q | Howard, Catharine M. M, | Windsor Mills, Q |
| Baldwin, Fannie E., | Coaticook, Q | Johnson, Wm. S., | Clapham, Q |
| Ballantyne, Jessie, | Montreal, Q | Johnston, Agnes M., | Dunham, Q |
| Brodie, Alex. | Quebec, Q | Keough, Henriette E., | Coaticook, Q |
| Brown, Cecil L., | Port Lewis, Q | LeRossignol, Mary A., | Montreal, Q |
| Brown, F. Nellie, | Lennoxville, Q | McDonald, Annie E., | Gould, Q |
| Brown James T., | Huntingdon, Q | McGerrigle, John, | Ormstown, Q |
| Burnet, Arthur, | Farnham Centre, Q | MacKeracher, Wm. M., | Montreal, Q |
| Bush, Mary L., | Clarenceville, Q | McMaster, John A., | Huntingdon, Q |
| Carter, Agnes A., | Cowansville, Q | Mansur, Chas. H., | Stanstead, Q |
| Carter, Wm. F., | Cowansville, Q | Moffatt, David S., | Irvine, Q |
| Chambers, Ed. J. C., | Quebec, Q | Moy, Florence, | Sherbrooke, Q |
| Chilcott, Thos. E., | Barford, O | Naylor, Harry A., | Shawville, Q |
| Darling, Robt., | Dartford, O | Oliver, Lucy A., | Cowansville, Q |
| Dickson, Sydney M., | Trenholmville, Q | Pearce, Mary Jane, | Lennoxville, Q |
| Donahue, Wm., | Montreal, Q | Rugg, Jennie, | Sherbrooke, Q |
| Draper, Benj. B., | Listowel, O | Selby, Nelly F., | East Dunham, Q |
| Foster, Laura L., | Coaticook, Q | Simpson, Andrew R., | Guelph, O |
| Fraser, Harriet A., | Richmond, Q | Skeels, Albee A., | Montreal, Q |
| Gale, Ethel L., | Quebec, Q | Spence, Blanche, | Montreal, Q |
| Gregory, Percy H., | Cowansville, Q | Tickle, Gracie H., | Montreal, Q |
| Gurd, Chas. C., | Montreal, Q | Walker, Margaret B., | Huntingdon, Q |
| Hamilton, John J., | Montreal, Q | Watson, Rosalind, | Huntingdon, Q |
| Henderson, May, | Stanstead, Q | Whiteside, Orten E., | Metcalfe, O |
| Hickson, Jos. W. A., | Montreal, Q | | |

*II. In Applied Science.*

| | | | |
|---|---|---|---|
| Bazin, Alfred T., | Montreal, Q | Hanran, Robt. J., | Inverness, Q |
| Blackett, John W., | Huntingdon, Q | Henderson, Geo. W., | Montreal, Q |
| Boyd, Leslie H., | Montreal, Q | Howe, Ralph E., | St Johns, Q |
| Campbell, Ed. M., | Inverness, Q | Jordan, John E., | Coaticook, Q |
| Cox, James, | Montreal, Q | Linton. Ernest, | Montreal, Q |
| Cruikshank, Alex., | Inverness, Q | Mackay, Angus R., | Montreal, Q |
| Ewing, J. Aimitage, | Richmond, Q | McKenzie, Peter, | Inverness, Q |
| Foster, Goldwin, | Montreal, Q | McMorine, Robert, | Richmond, Q |
| Fraser, Frank C., | Montreal, Q | McMullan, John, | Ormstown, Q |
| Freeland, Wm T., | Waterville, Q | Morehouse, Wm. E., | Sherbrooke, Q |
| Gifford, Alfred W., | Montreal, Q | Spearman, Fred. S., | Huntingdon, Q |
| Greenberg, Louis, | Montreal, Q | | |

## STANDING IN THE SEVERAL SUBJECTS.

[The numbers correspond with those in the preceding list. Candidates whose numbers are in parentheses are equal in standing. Those preceding an asterisk have obtained at least two-thirds of the marks, those following at least one-third. Numbers 1-19 are from the Montreal High School; 21-28 from the Girls' High School, Montreal; 31, 32 from Misses Symmers and Smith's School, Montreal; 33, 34 from Eliock School, Montreal; 35 Private Tuition; 36-42 from Girls' High School, St. John (N.B.); 43-46 from Clarenceville Academy; 47-52 from Coaticook Academy; 53 from Compton Ladies' College; 54-58 from Cowansville Academy; 59-63 from Dunham Academy; 64 from Gould Model School; 65-68 from Granby Academy; 69, 70, 72-76, 78-80 from Huntingdon Academy; 81-88 from Inverness Academy; 89 from Knowlton Academy; 90-98 from Lachute Academy; 99, 100 from Lacolle Academy; 103, 104 from High School, Quebec, 105, 106 from Girls' High School, Quebec; 107-118 from St. Francis College School, Richmond; 119-123 from Shawville Academy; 124, 125 from Boys' Academy, Sherbrooke; 126-130 Girls' Academy, Sherbrooke; 131-134 from Stanstead Wesleyan College; 135-137 from High School, St. Johns; 139-147 from Waterloo Academy; 148-151 from Waterville Model School.]

1. *Preliminary,*

*Reading.*—[At Montreal —27, 23, (16, 22), (6, 12, 24, 25, 32), (26, 28, 31), (4, 7, 11, 21, 33, 35), (3, 14, 15), (8, 13), (5, 9, 10, 17, 18, 19, 34)]. [At Clarenceville.—43. 44, 46, 45]. [At Coaticook.—49, (50, 52), (47, 48, 51)]. [At Compton.—53]. [At Cowansville.—54, (55, 56, 57, 58)]. [At Dunham.—(60, 63), (59, 61), 62], [At Granby.—(65, 67, 68], 66]. [At Huntingdon.—(75, 76), (70, 72, 73, 74, 78), (79, 80)]. [At Inverness.—87, (81, 83, 88), (82, 85, 86), 84]. [At Knowlton.—89]. [At Lachute.—97, (90, 96), 95, (93, 94), (91, 92, 98)]. [At Lacolle.—(99, 100)]. [At Quebec, Boys.—(103, 104); Girls.—105, 106]. [At Sherbrooke.—(64, 128), 127, (126, 129, 130), 124]. [At Stanstead.—(131, 132, 133), 134]. [At St. Johns.—(135, 137), 136]. (At Waterloo.—146, 5/8 (140, 141, 144), 147, 145, 139, (142, 143)]. [At Waterville.—149, 150, 148, 151].*

*Writing.*—(3, 4. 9, 11, 12, 13, 19, 22, 24, 32, 36, 38, 39, 40, 44, 50, 58, 60, 61, 66, 69, 72, 75, 79, 88, 103, 110, 111, 117, 120, 121, 122, 127, 131, 135, 136, 137, 141, 142, 147, 148, 149), (10, 21, 23, 26, 28, 41, 45, 47, 49, 51, 52, 53, 56, 68, 70, 74, 80, 85, 89, 105, 112, 114, 124, 125, 132, 133, 146, 150, 151), (25, 27. 31, 34, 37, 42, 43, 46, 48, 54, 55, 59, 62, 64, 76, 83, 89, 98, 116, 126, 134)*, (8, 15, 16, 18, 33, 57, 63, 73, 78, 81, 82, 84, 86, 90, 92, 95, 97, 100, 106, 108, 109, 115, 119, 123, 128, 129, 130, 144, 145), (5, 7, 14, 17. 65, 67, 87, 91, 93, 94, 96, 104, 107, 113, 118, 139, 140 143.)

*Dictation.*—(69, 141), (6, 22, 85, 142), (14, 18, 41, 58, 67, 78, 87, 108, 120), (34, 60, 104, 105, 128, 137, 139), (3, 27, 55, 59, 74, 119, 127, 136), (21, 28, 36, 49, 57, 73, 84, 88, 112, 132, 135, 147), (8, 11, 16, 24, 37, 64, 83, 106, 129), (13, 15, 56, 61, 62, 103, 114, 121, 140), (4, 31, 38, 43, 54, 72, 76, 118, 134), (12, 32, 65, 70, 80, 81, 111, 124, 126, 130, 133, 145, 146, 149), (5, 10, 17, 25, 52, 68), (33, 47, 75, 96, 100, 131, 144), (9, 23), 98, (26, 125), 79, (44, 46), (40, 42, 48, 82, 115, 116, 148)*.

*English Grammar.*—11, 22, (16, 21, 108), (6, 12, 24), 3, (23, 76, 88, 112), (26, 41, 82, 85, 115 127), (5, 10, 13, 38, 81, 83, 87, 139), (31, 36, 67, 70, 74, 84, 86, 107, 116, 145), (27, 105, 106, 120), (4, 7, 8, 14, 28, 35, 134), (15, 34, 49, 54, 57, 79, 119, 131, 140, 142). (37, 42, 43, 44, 53, 128, 132, 147), (9, 80, 90, 129)*, (18, 32, 69, 72, 126, 148), (39, 40, 63, 73, 103, 110, 111, 118, 149), (25, 52, 58, 59,) (47, 50, 55, 62, 109), (17, 48, 75, 78, 91, 141, 150), (51, 56, 61, 64, 114, 124, 137, 144), (66, 104, 130), (33, 60, 133), 97, (65, 121, 143), (19, 46, 113, 117, 123, 151), 96, 100), (92, 135), (68, 89, 93, 136), (99, 146).

*Arithmetic.*—(5, 11, 13, 16, 21, 27, 28, 32, 36, 37, 38, 39, 44, 47, 54, 57, 59, 60, 61, 62, 69 70, 73, 74, 76, 79, 82, 83, 84, 85, 86, 87, 103, 107, 109, 111, 115, 130, 131, 133, 137, 149), (88, 143), (33, 49, 68, 75, 120, 127), (3, 22, 34, 58, 72, 78, 80, 81, 108, 117, 144), 142, (9, 19, 56, 105, 126), (41, 118), (43, 46), (6, 10, 18, 24, 40, 50, 65, 99. 100, 110, 119, 129, 134, 148), 7, 8, 12, 42, 106, 113, 116, 139), (23, 52, 53, 150), (26, 124), (4, 25, 55, 112, 123, 145), (90, 97), (92, 104, 121, 132), 35, (15, 17, 51, 64, 66, 67, 125)*, (91, 122, 128), 48, (31, 95), 114, (14, 93), 146, (89, 140), (141, 147), 68, 151, 94, 45, 136, 98.

*Geography.*—16, 75, (18, 74), (6, 11, 21, 61, 79, 120), (3, 12, 14, 26, 81, 84, 97), (7, 10, 13, 33, 34, 43, 85, 144, 145), (4, 19. 25, 37, 90, 118, 119), (15, 17, 24, 27, 35, 53, 54, 56, 67, 83, 91, 111, 129, 132, 147), (5, 36, 40, 42, 62, 64, 69, 70, 80, 105, 107, 139), (8, 28, 32, 44, 59, 65, 82, 92, 93, 106, 112, 127, 142, 148), (9, 31, 39, 86, 98, 108, 115, 128, 137, 149), (47, 55, 58, 63, 66, 72, 76, 103, 109, 114, 140, 151), (49, 52, 60, 73, 88, 94, 104, 116, 121, 124, 125, 143), (38, 57, 113, 131), (51, 95), (22, 41, 133),* (89, 96, 101, 123, 134), (23, 45), (68, 110, 126, 130), (146, 150), 136, (46, 50, 135), (117, 122), (48, 141), 78.

*British and Canadian History.*—(16, 80), (12, 105), (11, 28, 34, 58), (14, 33, 55), (57, 87), (15, 27, 54), 10, (21, 26)*, (6, 17, 31, 106), (24, 32, 35, 56, 70, 74, 79, 85), (59, 75, 82), (22, 36, 104, 127), (18, 67, 78, 83, 116), (5, 23, 64, 81, 129), (39, 42), (40, 68, 69, 72, 84, 110), (7, 145, 148), (86, 103, 109, 131, 149), (4, 25, 49, 96, 119, 125, 134), (3, 13, 62, 73, 120, 126), (19, 44, 88, 91, 107, 112, 114, 128), (9, 90, 108, 132, 144, 147), (43, 48, 60, 111, 117, 118, 150), (38, 47, 61, 63, 65, 93, 95, 115, 121, 123, 124, 130, 133, 141)

*Gospels.*—(Creditable answering. in order of numbers).—3, 12, 14, 21, 22, 24, 27, 28, 34, 43, 49, 51, 53, 54, 55, 56, 67, 70, 78, 79, 81, 83, 85, 87, 91, 92, 105, 106, 126, 127, 128. 129, 130, 145, 148, 149, 150.

II. *Optional.*

*Latin* (Ordinary).—57, 54, 111.116, 58, 85. 56, (63, 83), (126, 127), (73, 81), 43, (55, 75), (72, 112, 128)*, 74, 108, (78, 120), (69, 86, 129, 144), 59, (7, 137), 90, (82, 96, 110, 133), (91, 148), (64, 132), (4, 10, 17, 119), (107, 118), 44, 121, 135, 142, (48, 65, 84, 124), (139, 140), (93, 94), 62, 113, 136, 92.

*Latin* (Advanced).—(12, 16), 34, (18, 36), 33, 103, 70, (42, 52), (31, 49)*, 27, 6, (41, 145), (104, 134), (22, 51), (38, 40), 13, 35, 8, (28, 47), 25, 23, 50, 9.

*Greek* (Ordinary).—57, 78, 111, 54, 56*, 73, (55, 58), 145, 107, 120, (74, 91), 96, 43, 69, 83, 90. 119, 94, (113, 121).

*Greek* (Advanced).—103, 6, 16, 70, 12, 35*, 33, 18, 134, 8, 72, 104, 13.

*French.*—11, 31, 53, 6, 85, 32*, 3, 112, 36, 88. (33, 34), (120, 127), (13, 129, 142,) 128, 22, 41, 72, (43, 81, 105, 131), 103, (82, 109), (8, 70), 87, (10, 18, 28), 126, (38, 73), (5. 37, 74, 80), (24, 64, 135), (79, 84), (12, 15, 16, 21, 83, 124, 149), 4, 7. 14, 76, 108, 148), 144, 140, (50, 139), (26, 67, 115, 133), (40, 122), (63, 78, 86), 47, (17, 27, 42, 59, 60, 61, 69, 75, 91, 118, 121, 130).

*German.*—11*, 21, 26, 15, 14, 24, 5.

*Geometry.*—(79, 80), (4, 11, 12, 27, 81, 82, 83, 111), (32, 88, 90, 92), (34, 148), (5, 35), (58, 103, 120), 145, (19, 106), (54, 70, 72), (43, 57), 14, 16, (64, 84, 144), (44, 56), 104, 53, 131, (85, 105), 6, 52, (63, 74), (3, 109), 75, (33, 49, 86, 129), (91, 128, 134), 150, (7, 140), 73, (22, 127,) (69, 118), (60, 139), 10, 55, 108*, 50, (8, 121, 122, 147), 18, 149, (115, 123), 93, 87, 28, (59, 126), 132, 116, 51, 112, 119, (15, 24), (76, 110), (13, 143), 65, 96, (47, 107), (37, 78), 133, 124, 9, (39, 62), 95, 113, 48, 137, (31, 61, 146).

*Algebra.*—134, (81, 82), 36, 3, 63, 8. 11, 35, (85, 88, 139), 12, (84, 126), (22, 34, 124), (39, 86), 60, 73, (7, 115), (28, 57), (27, 52), (58, 61), 33, 119, 49, (69, 70, 78), 120, 104, (43, 74), 103, (5, 23, 25, 62)*, 111, (87, 108, 133), 72, (56, 79, 129), 41, (4, 13, 83, 117, 136), 32, 21, 59, (6, 40, 51), (31, 67, 148), (53, 54, 112), (80, 142), (50, 90, 92), 75, 109, 127, 42, (10, 37, 107, 116), (132, 145), 114, 137), (15, 18, 143), (24, 26, 96, 105, 150), 47, (76, 128), (14, 106), 9, 17, 89, 97, (48, 130, 135), (38, 55, 64), 131, (45, 118, 140), 16, 141, 119, 121.

*Trigonometry.*—11, 12, 33, 3, 70, 34, 7, 10, 19, 73, 8,* 16, 83, 9, 18, (5, 106). 82, (69, 72), 81, 14, 132, 6, 15, (4, 17).

*Natural Philosophy.*—52, 49.

*Geometrical and Freehand Drawing.*—27, 3*, 129, 127, (22, 54), 11, 26, 148, 21, (58, 126), (4, 15), (10, 23, 120), (81, 128), (5, 82), (24, 144), (7, 19, 92), (17, 55, 91), 149, 25.

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THE WICKSTEED SILVER AND BRONZE MEDALS FOR PHYSICAL CULTURE (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the graduating class, and to students who have had instruction in the gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter.

The award of these medals is made by Judges, appointed by the Corporation of the University.

Every competitor for the silver medal is required to lodge with the Judges, before the examination, a certificate of good standing in the graduating class, signed by the Dean or Secretary of the Faculty to which he belongs, and the medal will not be awarded to any student who may fail in his examination for the degree.

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# University Societies.

## THE GRADUATES' SOCIETY OF McGILL UNIVERSITY

INCORPORATED 1880.

OFFICERS FOR 1889-90.

*President:*

C. J. FLEET, B.A., B.C.L.

*Vice-Presidents:*

DR. T. WESLEY MILLS, W. J. SPROULE, B.A. Sc., and A. FALCONER, B.C.L.

*Secretary:*

MR. WELLINGTON DIXON.

*Treasurer:*

Prof. C. H. McLEOD.

*Resident Councillors:* Messrs. Selkirk Cross, Dr. F. W. Kelley, Rev. E. M. Taylor, Rev. F. M. Dewey, Dr. James Stewart, and A. R. Oughtred.

*Non-Resident Councillors:* Rev. E. I. Rexford, Quebec; Chas. Gibb, Abbotsford; Rev. W. I. Dey, London; Mr. J. J. Maclaren, Toronto; Sir James Grant, Ottawa; and Mr. D. C. McLeod, Charlottetown.

## UNIVERSITY LITERARY SOCIETY.

ESTABLISHED 1869.

OBJECTS.—The encouragement of Literary and Scientific pursuits, and the promotion of self culture among the members.

*President:*
MR. A. R. OUGHTRED, B.C.L.

*First Vice-President:*
A. S. CROSS, B.A., B.C.L.

*Second Vice-President:*
R. A. DUNTON, B.C.L.

*Corresponding Secretary:*
J. M. FERGUSON, B.C.L.

*Recording Secretary:*
C. A. BARNARD, B.C.L.

*Treasurer:*
F. W. HIBBARD, B.A., B.C.L.

*Councillors:* Messrs. Selkirk Cross, McGoun, Fry, Mallie, Parmelee and Yates.

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## UNDERGRADUATES' LITERARY SOCIETY.

CONSTITUTED 1880.

The object of this Society is the mutual improvement of its members, by means of debates, essays, readings, &c. The Society is open for membership to all students attending the classes in any of the Faculties of McGill College:

*President:* H. V. TRUELL.
*1st Vice-President:* P. DAVIDSON.
*2nd Vice-President:* W. R. ELLENWOOD.
*Secretary:* A. RIVES HALL.
*Assistant Secretary:* WM. OLIVER.
*Treasurer:* E. M. MATTICE.

*Special Committee:*

W. E. GIBSON, WM. HENDERSON, | H. M. KINGHORN, C. P. RYAN, — SHUTTLEWORTH.

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## McGILL COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION.

OBJECT.—To unite in an Association all who are interested in the cause of religion, for the purpose of mutual help in the Christian life, and for the promotion of good morals and Christian living in the College.

MEMBERSHIP.—Open to Students of all the Faculties. Membership is of two kinds: Active—Open to a member of an Evangelical church; Associate—Open

to any young man of good moral character. A social reception is given to new students at the beginning of the session.

*Hon. President.*
SIR J. W. DAWSON, LL.D.
*President:*
D. J. EVANS, Med. '90.

*1st Vice-President.*
W. H. GARTH, Arts, '89.
*2nd Vice-President.*
W. S. MORROW, Med. '91.
*Corresponding Secretary.*
H. M. TORY, Arts, '90.
*Recording Secretary.*
A. H. HAWKINS, Science, '90.
*Treasurer.*
JAS. DALEY, Arts, '90.
*Assistant Treasurer.*
W. F. HAMILTON, Med., '91.

The following are chairmen of special committees:

*Devotional.*
W. F. HAMILTON.
*Membership.*
W. R. ELLENWOOD, *Arts*; and W. S. Morrow, *Medicine.*
*Missionary.*
JAS. TAYLOR.
*Social.*
A. R. HOLDEN.
*Music.*
A. G. NICHOLS.
*Bulletin.*
W. W. ALEXANDER.

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## McGILL UNIVERSITY ATHLETIC ASSOCIATION.

ESTABLISHED 1884.

Open for membership to undergraduates in this University.

*President:*
SIR WILLIAM DAWSON.
*Vice-President:*
JOHN A. SPRINGLE.

*Secretary:*
W. W. MURRAY.
*Treasurer:*
B. J. HARRINGTON, B.A., Ph.D.
*Assistant Treasurer:*
W. J. DELANEY.

IN AFFILIATION.

*McGill Football Club.*
*Secy.:* M. F. LUCAS.
*McGill Hockey Club.*
*Secy.:* D. B. HOLDEN.
*McGill Cricket Club.*
*Secy.:* F. W. HIBBARD, B.A.

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Annual Field Meeting 18th October, 1889.

*University Lawn Tennis Club.*
*Secy.:* H. A. BUDDEN, B.A.
*Donalda Lawn Tennis Club.*
*Secy.:* MISS M. N. EVANS.

## DELTA SIGMA SOCIETY.

ESTABLISHED 1884.

*President:* Maude Squire, B.A.
*Vice-President:* Jeannie T. Botterell.
*Secretary-Treasurer:* Louise C. Smith.
*Committee:* Misses Reid, Derrick, Finley and Pitcher.

## THEO DORA SOCIETY.

ESTABLISHED 1887.

Principal object for the present, the diffusion of information respecting Christian Missions, and the cultivation of a Missionary Spirit. Open for membership to students of the Donalda Special Course for women.

*President:* C. M. Derick.
*Vice-President:* Jeannie Baillie.
*Secretary-Treasurer:* Annie Williams.

## McGILL MEDICAL SOCIETY.

*Honorary President*.....Dr. James Stewart.
*President*.....Mr. M. W. Murray.
*Vice-President*.....Mr. H. D. Hamilton.
*Secretary*.....Mr. Fletcher.
*Treasurer*.....Mr. Binmore.
*Pathologist*.....Mr. R. E. McKechnie.
*Librarian*.....Mr. D. Kee.
*Councilmen*.....Dr. J. C. Cameron. Dr. F. G. Finlay. Mr. W. E. Inksetter.

## McGILL COLLEGE BOOK CLUB.

ESTABLISHED A.D. 1869.

This Club, now in the twentieth year of its existence, has for its primary object, —"to procure an early supply of new books (novels excluded) for its members;" and, next, the increase of the College Library by the presentation thereto of these books, when no longer required by the Club. In this way, an addition has already been made to the Library of not less than 3,402 volumes, in special and general literature.

Membership in the Club is open to all, at an annual subscription of ten dollars. Apart from the advantages to be directly derived from membership, there is the special privilege accorded to members of using the College Library on the same conditions as Graduates, and without making any deposit when books are borrowed. As the number of volumes in the Library now amounts to 27,000, it is clear that this privilege is of value both to special and to general readers.

The members of the Executive Committee are Dr. Johnson, Rev. Dr. Cornish, Rev. Dr. Murray, Mr. S. E. Dawson, Mr. W. M. Ramsay, to any of whom applications for membership may be addressed; or to Mr. E. M. Renouf, at the Club Depository, 2240 St. Catherine street.

# Additions to University Regulations.

*Regulations of the Board of Governors for Election of Fellows, under Chap. V. of the Statutes of the University.*

1. "The Secretary shall receive all Statutory fees, whether annual or for commutation, either personally or by letter, from the graduates desiring to vote, and not from any third party, except as bearer of a written authorization."

2. The voting paper sent in by graduates shall be regarded as confidential, and no communication respecting them shall be made by the Secretary or Scrutineers, except when authorized by vote of the Governors or Corporation.

3. From and after the Election of 1888, no annual fees will be accepted, but each graduate desiring to vote will be required to transmit to the Secretary, on or before the first day of March in the year in which he desires to vote, the full amount of $5.00 as payment of his Registration fee in perpetuity. Provided always that in the event of any graduate having paid for one or more years previous, the amounts so paid shall be deducted from his payment of $5.00, but not to a greater aggregate amount than $2.50.

4. From any after the graduation of 1888, all new graduates shall pay a Registration Fee of $2.50 at the time of their graduation, in addition to the Graduation Fee, and shall be entered in the University list as privileged to vote, and shall have voting papers mailed to them by the Secretary.

*Amended Regulations of the Corporation for Licenced Boarding Houses. Applicable to all the Faculties.*

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a licence to keep boarding houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or desorderly conduct.

4. The keeper of every lodging house shall deposit with the Secretary of the University, on or before September 10th in every year, a certificate as to the sanitary condition of the house from some competent officer or Sanitary Engineer recognised by the Principal.

5. A list of boarding houses licensed under the above regulations shall be kept in the office of the Secretary and shall be accessible to all members of the University and intending students.

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## Lists of Graduates.

In accordance with a recent resolution of the Corporation of the University, these will be printed separately in a *Triennial Calendar*, to be issued for the first time in the course of the present year.

In the meantime all graduates are earnestly requested to send to the Secretary of the University information as to their places of residence, and as to any corrections or additions that may be desired.

JUNE, 1889.

## BENEFACTORS OF

# McGill University, Montreal.

### I. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....$120,000

### II. UNIVERSITY BUILDINGS.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally opened to the public, August, 1882.

### III. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B.A., in classes wholly separate, to constitute a separate Special Course or College for women,—$120 000.

### IV. ENDOWED CHAIRS.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq., —$20,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S., and Hart Logan, Esq.,—$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham,—$20,000.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—$30,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—$42,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal,—$40,000.

THE GALE CHAIR, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale), of Montreal, in memory of her father, the late Honorable Mr. Justice Gale,—$25,000 ; part received, May, 1889.

## V. EXHIBITIONS AND SCHOLARSHIPS.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts, $100 annually—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of $1,667.

THE MCDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882, with the sum of $25,000, by William C. McDonald, Esq.—Annual value, $1,250.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871, by Charles Alexander, Esq.—Annual value, $120.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of $1,100, subscribed by members of the Society, and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science. Annual value $66.

THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2,000,—in 1884. Annual value, $100.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts. Annual value $125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP.—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of $1,500.—Annual value $75.

## VI. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of $700.

In 1860 the sum of £200, presented to the College by H. R. H the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physical Science.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England, from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint—was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G S., &c.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

In the same year the "Holmes Gold Medal" was founded by the Medical Faculty, as a memorial of the late Andrew Holmes, Esq., M D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who shall undergo a special examination in all the branches, whether Primary or Final.

In 1874 a Gold and Silver Medal were given by his Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.

In 1875 the "Neil Stewart prize of $20 in Hebrew" was endowed by Neil Stewart, Esq., of Vankleek Hill, in the sum of $340.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the council of the Association, in commemoration of its meeting in Montreal in the year 1884.

In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

## VII. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

### 1856.

| | | | |
|---|---|---|---|
| John Gordon McKenzie, Esq. | $2000 | Charles Alexander, Esq. | $600 |
| Ira Gould, Esq | 2000 | Moses E. David, Esq. | 600 |
| John Frothingham, Esq | 2000 | Wm. Carter, Esq. | 600 |
| John Torrance, Esq. | 2000 | Thomas Patton, Esq. | 600 |
| James B. Greenshields, Esq. | 1200 | Wm. Workman, Esq | 600 |
| William Busby Lambe, Esq. | 1200 | Honourable Sir A. T. Galt | 600 |
| Sir George Simpson, Knight | 1000 | Honourable Luther H. Holton | 600 |
| Henry Thomas, Esq. | 1000 | Henry Lyman, Esq | 600 |
| John Redpath, Esq. | 1000 | David Torrance, Esq. | 600 |
| James McDougall, Esq. | 1000 | Edwin Atwater, Esq. | 600 |
| James Torrance, Esq. | 1000 | Theodore Hart, Esq. | 600 |
| Honourable James Ferrier | 1000 | William Forsyth Grant, Esq. | 600 |
| Harrison Stephens, Esq. | 1000 | Robert Campbell, Esq. | 600 |
| Henry Chapman, Esq. | 600 | Alfred Savage, Esq | 600 |
| Honourable Peter McGill. | 600 | James Ferrier, jun., Esq. | 600 |
| John James Day, Esq. | 600 | William Stephen, Esq. | 600 |
| Thomas Brown Anderson, Esq. | 600 | N. S. Whitney, Esq. | 600 |
| Peter Redpath, Esq. | 600 | William Dow, Esq | 600 |
| Thomas M. Taylor, Esq. | 600 | William Watson, Esq. | 600 |
| Joseph McKay, Esq. | 600 | Edward Major, Esq. | 600 |
| Donald Lorn McDougall, Esq. | 600 | Honourable Charles Dewey Day | 200 |
| Honourable Sir John Rose. | 600 | John R. Esdaile, Esq. | 200 |

1871.

| | | | |
|---|---|---|---|
| William Molson, Esq | $5000 | T. W. Ritchie, Esq | $600 |
| William C. McDonald, Esq | 5000 | Messrs. A. & W. Robertson | 600 |
| Thomas Workman, Esq | 5000 | Messrs. Sinclair, Jack & Co | 250 |
| John Frothingham, Esq | 5000 | John Reddy, Esq., M.D | 100 |
| J. H. R. Molson, Esq | 5000 | Wm. Lunn, Esq | 100 |
| John McLennan, Esq | 2000 | Kenneth Campbell, Esq | 100 |
| B. Gibb, Esq | 600 | R. A. Ramsay, Esq | 100 |
| W. Notman, Esq | 600 | William Rose, Esq | 50 |

1881-82.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $5000 | O. S. Wood, Esq | $1000 |
| G. A. Drummond, Esq | 4000 | J. S McLachlan, Esq | 1000 |
| George Hague, Esq | 3000 | J. B. Greenshields, Esq. (London) | 1000 |
| M. H. Gault, Esq | 2000 | Warden King, Esq | 1000 |
| Andrew Robertson, Esq | 1000 | W. B. Cumming, Esq | 1000 |
| Robertson Campbell, Esq | 1000 | Mrs. Hew Ramsay | 500 |
| J. Hickson, Esq., Mrs. Hickson | 1000 | R. A. Ramsay, Esq | 500 |
| Mrs. Andrew Dow | 1000 | H. H. Wood, Esq | 500 |
| Alexander Murray, Esq | 1000 | James Burnett, Esq | 500 |
| Miss Orkney | 1000 | Charles Gibb, Esq | 500 |
| Hector McKenzie, Esq | 1000 | | |

1883—84.

Edward Mackay, Esq ..... $5000

## VIII. SUBSCRIPTIONS FOR CURRENT EXPENSES IN

1881-82.

| | | | |
|---|---|---|---|
| Principal Dawson | $1000 | Being | $1000 |
| J. H. R. Molson, Esq | 1000 | Per annum, 5 years being | 5000 |
| George Stephen, Esq | 1000 | " " | 5000 |
| Hon. Donald A. Smith | 1000 | " " | 5000 |
| David Morrice, Esq | 200 | " " | 1000 |
| Messrs. Gault Brothers & Co | 200 | " " | 1000 |
| Messrs. A. S. & S. H. Ewing | 200 | " " | 1000 |
| Hon. Robert Mackay | 300 | Per annum, 2 years, being | 600 |
| Jonathan Hodgson, Esq | 100 | Per annum, 5 years, being | 500 |
| Geo. M. Kinghorn, Esq | 100 | " " | 500 |
| Thomas Craig, Esq | 100 | Per annum, 2 years, being | 200 |
| John Rankin, Esq | 200 | Being | 200 |
| John Duncan, Esq | 200 | " | 200 |
| Robert Benny, Esq | 100 | " | 100 |
| Miss E. A. Ramsay | 100 | " | 100 |
| Hugh Paton, Esq | 50 | For 2 years, being | 100 |
| George Brush, Esq | 25 | For 5 years, being | 125 |
| J. M. Douglas, Esq | 50 | Being | 50 |
| James Court, Esq | 50 | " | 50 |
| David J. Greenshields, Esq | 300 | " | 300 |

1887-8.

| | | | |
|---|---|---|---|
| John H. R. Molson, Esq | $1000 | Per annum, 3 years, being | $3000 |
| W. C. McDonald, Esq | 1000 | " " " | 3000 |
| Peter Redpath, Esq | 1000 | " " " | 3000 |
| Hon. Sir Donald A. Smith, K.C.M.G | 1000 | " " " | 3000 |
| Hon. Jas. Ferrier | 500 | " " " | 1500 |
| Joseph Hickson, Esq | 500 | " " " | 1500 |
| Hugh McLennan, Esq | 250 | " " " | 750 |
| E. B. Greenshields, Esq | 250 | " " " | 750 |
| George Hague, Esq | 250 | " " " | 750 |
| John Molson, Esq | 250 | " " " | 750 |
| Samuel Finley, Esq | 250 | " " " | 750 |

1888 9.

| | |
|---|---|
| Mrs. Mackay | $100 |

## IX. ENDOWMENT FOR FACULTY OF APPLIED SCIENCE, 1871.

| | |
|---|---|
| Daniel Torrance, Esq | $5000 |
| George Moffatt, Esq | 1000 |
| Charles J. Brydges, Esq | 1000 |

## X. ANNUAL SUBSCRIPTIONS IN AID OF THE FACULTY OF APPLIED SCIENCE, 1871-1879.

| | |
|---|---|
| Hon. James Ferrier (per annum, for 10 years) | $100 |
| Peter Redpath, Esq. (per annum, for 10 years) | 400 |
| John H. R. Molson, Esq. (per annum, for 10 years) | 400 |
| George H. Frothingham, Esq. (per annum, for 7 years) | 400 |
| T. James Claxton, Esq. (per annum, for 6 years) | 100 |
| Donald Ross, Esq. (per annum, for 5 years) | 50 |
| Miss Mary Frothingham (per annum, for 3 years) | 400 |
| H. McLennan, Esq. (per annum, for 5 years) | 100 |
| A. F. Gault, Esq. do do | 100 |
| Gilbert Scott, Esq., for 2 years | 100 |
| Joseph Hickson, Esq., do | 100 |
| Principal Dawson, do | 300 |
| His Excellency the Marquis of Lorne | 500 |
| Mrs. Redpath (Terrace Bank) | 100 |

*To provide lectures in Mechanical and Sanitary Engineering.*

| | |
|---|---|
| E. B. Greenshields, Esq | $50 |
| J. E. Bovey, Esq | 50 |
| Professor H. T. Bovey | 61 |
| Jeffrey H. Burland, B.A.Sc., $100 for 2 years | 200 |
| Smaller amounts | 40 |

## XI. SUBSCRIPTIONS FOR SPECIAL OBJECTS.

*For the support of the Chair of Botany*, 1883-84.

| | | | |
|---|---|---|---|
| Principal Dawson | $500 | Per annum, 5 years, being | $2500 |
| Hon. D. A. Smith | 250 | " " " | 1250 |
| J. H. R. Molson, Esq | 100 | " " " | 500 |
| Mrs. J. H. R. Molson | 100 | " " " | 500 |
| G. Hague, Esq | 100 | " " " | 500 |
| Mrs. Redpath | 100 | " " " | 500 |
| Hugh McKay, Esq | 100 | " " " | 500 |
| Robert Moat, Esq | 100 | " " " | 500 |
| W. C. McDonald, Esq | 100 | " " " | 500 |
| Charles Gibb, Esq | 50 | " " " | 250 |
| Miss Orkney | 50 | " " " | 250 |
| Robert McKay, Esq | 50 | " " " | 250 |
| Mrs. Molson | 50 | " " " | 250 |
| Mrs. John Molson | 50 | " " " | 250 |
| John Stirling, Esq | 50 | " " " | 250 |
| Warden King, Esq | 50 | " " " | 250 |
| Miss Hall | 50 | " " " | 250 |
| Robert Angus, Esq | 50 | " " " | 250 |
| D. A. P. Watt, Esq | 50 | " " " | 250 |
| Hugh McLennan, Esq | 25 | " " " | 125 |
| Joseph Hickson, Esq | 10 | " " " | 50 |
| Mrs. Philips | 10 | | 10 |

*For the purchase of Philosophical Apparatus*, 1867.

| | | | |
|---|---|---|---|
| William Molson, Esq | $500 | John Frothingham, Esq | $100 |
| John H. R. Molson, Esq | 500 | David Torrance, Esq | 100 |
| Peter Redpath, Esq | 500 | | |
| George Moffatt, Esq | 250 | | $2,000 |
| Andrew Robertson, Esq | 100 | | |

*For a Building for the Carpenter Collection of Shells*, 1868.

| | | | |
|---|---|---|---|
| Peter Redpath, Esq | $500 | Wm. Dow, Esq | $100 |
| William Molson, Esq | 500 | Thos. Rimmer, Esq | 100 |
| Harrison Stephen, Esq | 100 | Andrew Robertson, Esq. | 100 |
| Robert J. Reekie, Esq | 100 | Mrs. Redpath | 100 |
| John H. R. Molson, Esq | 100 | Benaiah Gibb, Esq | 50 |
| Sir William E. Logan, F.R.S. | 100 | Honorable John Rose | 50 |
| John Molson, Esq | 100 | | |
| Thos. Workman, Esq., M.P | 100 | | $2,200 |
| Geo. H. Frothingham, Esq | 100 | | |

*For the Erection of the Lodge and Gates.*

| | | | |
|---|---|---|---|
| William Molson, Esq | $100 | James A. Mathewson, Esq | $100 |
| John H. R. Molson, Esq | 100 | Peter Redpath, Esq | 100 |
| William Workman, Esq | 100 | G. H. Frothingham, Esq | 100 |
| Joseph Tiffin, jr., Esq | 100 | G. D. Ferrier, Esq | 100 |
| Thos. J. Claxton, Esq | 100 | Geo. W. Warner, Esq | 100 |
| James Linton, Esq | 100 | John Smith, Esq | 100 |
| William McDougall, Esq | 100 | Charles Alexander, Esq | 100 |
| Charles J. Bridges, Esq | 100 | J Evans, Esq | 100 |
| George A. Drummond, Esq | 100 | Henry Lyman, Esq | 100 |
| Thomas Rimmer, Esq | 100 | | |
| William Dow, Esq | 100 | | $2,100 |
| John Frothingham, Esq | 100 | | |

*For the fittings of the Library and Museum of the Faculty of Medicine*, 1872.

| | | | |
|---|---|---|---|
| G. W. Campbell, A M., M.D | $1200 | Robert Craik, M.D | $200 |
| W. E. Scott, M.D | 200 | Geo. E. Fenwick, M.D | 200 |
| Wm. Wright, M.D | 200 | Joseph M. Drake, M.D | 200 |
| Robert P. Howard, M.D | 200 | George Ross, M.A., M.D | 50 |
| Duncan C. McCallum, M.D | 200 | | |

*For Library and Museum.*

| | | | |
|---|---|---|---|
| John Thorburn, for purchase of Books | $90 | Peter Redpath, Esq., for Museum Expenses, 1882, $1,000; '83, $1,000; '84, $1,000; '85, $1,000; '86, $1,000; 1887, $1,000; '88, $1,000 | $7000 |
| Andrew Drummond, do for Applied Science | 25 | The Graduates in Arts and Applied Science of 1885 for purchase of Books | 31 |
| T. J. Claxton, Esq., for purchase of Specimens of Museum | 250 | Do of 1886 | 28 |
| Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells | 233 | The late R. A. Ramsay, Esq. Bequest for purchase of books. | 1000 |
| A Lady for Museum Expenses, in 1882 | 1000 | John H. R. Molson for purchase of book on "Butterflies of Eastern, U.S. and Canada" | 50 |
| A Lady for Museum Expenses, in 1883-4 and '87 | 3000 | | |
| A friend for the purchase of specimens for the Museum | 1900 | | |

*For Apparatus.*

| | |
|---|---|
| A Lady for the purchase of Mining Models | $1000 |
| Thos. McDougall, Esq., for the same | 25 |
| J. Livesey, Esq., through Dr. Harrington, for the same | 50 |
| Geo. Stephen, Esq., for the same | 50 |
| Charles Gibb, B.A., donation for Apparatus in Applied Science | 50 |
| Andrew Drummond, Esq. to Library Fund of Faculty of Applied Science. | 25 |
| A Telescope and Astronomical Instrument, the gift of Charles T. Blackman, Esquire, of Montreal, and called after his name. | |
| The Local Committee for the reception (1881) of American Society of Civil Engineers — For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Science | 475 |
| Capt. Adams, Chemical Apparatus | 10 |
| J. H. Burland, B.A. Sc., Chemical Apparatus | 25 |
| Thos. J. Barron, B.A., Philosophical Apparatus | 50 |
| J. H. R. Molson, Esq., Dynamo, Gas Engine and Fixtures | 1792 |
| The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine — Donation to Apparatus, Museum, Library, etc., of the Medical Faculty, 1881, $1,182; 1888, $1,023. | 2205 |

*For Physiological Laboratory of Medical Faculty*, 1879.

| | | | |
|---|---|---|---|
| Dr. Campbell | $100 | Dr. Ross | $50 |
| Dr. Howard | 100 | Dr. Roddick | 50 |
| Dr. Craik | 100 | Dr. Buller | 50 |
| Dr. Mc'allum | 100 | Dr. Gardner | 50 |
| Dr. Drake | 100 | Dr. Osler | 50 |
| Dr. Godfrey | 100 | | |
| Dr. McEachran, F.R.C.V.S. | 100 | | $ 950 |

*Class Rooms for Faculty of Applied Science*, 1888.

| | |
|---|---|
| John R. Molson, Esq. | $3000 |
| W. C. McDonald, Esq. | 3000 |

*Miscellaneous.*

| | | | |
|---|---|---|---|
| Hon. C. Dunkin, M P., in aid of the chair of Practical Chemistry | $1200 | T. M. Thompson, Esq., $250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872 | $450 |
| Principal Dawson, in aid of the same | 1200 | Rev. Colin C. Stewart, for the "Stewart Prize in Hebrew." | 60 |
| P. Redpath, Esq., do | 226 | | |

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value, $100—terminated in 1878.

THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value $100. (Terminated in 1883.)

THE BURLAND SCHOLARSHIP—founded 1882, by J. H. Burland, Esq., $100 for a Scholarship in Applied Science, for three years, being $300.

PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-7 ..... $350

R. A. Ramsay, M A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill ..... $150

## XII. LIBRARY, MUSEUM AND APPARATUS FUNDS.

| | | | |
|---|---|---|---|
| Wm. Molson, Esq., for Library Fund | $4000 | A Friend, by the Hon. F. W. Torrance | $400 |
| Wm. Molson, Esq., for Museum Fund | 2000 | The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884 | 1500 |
| Hon. F. W. Torrance, Mental and Moral Philosophy Book Fund | 1000 | | |
| Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund | 1000 | | |

## XIII. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment, to furnish annually a Scholarship or Prize in a "College for Women" affiliated to the University; or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present $1,100.

## XIV. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books—presented by Peter Redpath, Esq., of Montreal, 2368 Volumes.
2. The Robson Collection of works in Archæology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volumes.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

## XV. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium—presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells—presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society—presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
7. The Portrait of Peter Redpath, Esq., painted by Mr. Sidney Hodges of London, and presented by Citizens of Montreal.
8. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., J. H. Burland, Esq.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report to the Museum.)

## XVI. ENDOWMENTS OF THE FACULTY OF MEDICINE.

### I. Leanchoil Endowment.

Honorable Donald A. Smith ..... $50,000

### II. Campbell Memorial Endowment.

Established to commemorate the services rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

| | |
|---|---|
| Mrs. G. W. Campbell | $2000 |
| H. A. Allan, Esq | 1500 |
| Hon. D. A. Smith | 1500 |
| George Stephen, Esq | 1000 |
| R. B. Angus, Esq | 1000 |
| George Drummond, Esq | 1000 |
| Alex. Murray, Esq | 1000 |
| Robt. Moat, Esq | 1000 |
| W. C. McDonald, Esq | 1000 |
| A Friend | 1000 |
| Duncan McIntyre, Esq | 1000 |
| Alex. Buntin, Esq | 1000 |
| A. F. Gault, Esq | 1000 |
| M. H. Gault, Esq | 1000 |
| G. W. Stephens, Esq | 1000 |
| James Benning, Esq | 1000 |
| R. P. Howard, M.D | 1000 |
| Frank Buller, M.D | 1000 |
| G. B. & J. H. Burland, Esqrs | 1000 |
| Miss Elizabeth C. Benny | 1000 |
| J. C. Wilson, Esq | 1000 |
| Mrs. John Redpath | 1000 |
| Hon. John Hamilton | 1000 |
| Miss Orkney | 1000 |
| Hugh McKay, Esq | 1000 |
| Hector McKenzie, Esq | 1000 |
| Thomas Workman, Esq | 1000 |
| Hugh McLennan, Esq | 1000 |
| O. S. Wood, Esq | 1000 |
| James Burnett, Esq | 500 |
| Andrew Robertson, Esq | 500 |
| Robt. McKay, Esq | 500 |
| John Hope, Esq | 500 |
| Alex. Urquhart, Esq | 500 |
| E. K. & G. A. Greene, Esqrs | 500 |
| R. A. Smith, Esq | 500 |
| Geo. Hague, Esq | 500 |
| J. K. Ward, Esq | 500 |
| Warden King, Esq | 500 |
| John Sterling, Esq | 500 |
| John Rankin, Esq | 500 |
| Cantlie, Ewan & Co | 500 |
| Robt. Reford | 500 |
| J. & W. Ogilvie | 500 |
| Randolf Hersey, Esq | 500 |
| John A. Pillow, Esq | 500 |
| S. Carsley, Esq | 500 |
| D. C. McCallum, M.D | 500 |
| McLachlan Bros | 500 |
| S. Greenshields, Son & Co | 500 |
| Jonathan Hodgson, Esq | 500 |
| Duncan McEachran, Esq., F.R.C.V.S | 500 |
| Geo. Ross, M.D | 500 |
| T. G. Roddick, M.D | 500 |
| Wm. Gardner, M.D | 500 |
| G. P. Girdwood, M.D | 500 |
| G. E. Fenwick, M.D | 500 |
| Alex. Ramsay, Esq | 500 |
| Cochrane, Cassils & Co | 500 |
| Joseph Hickson, Esq | 500 |
| Allan Gilmour (Ottawa) | 500 |
| R. W. Shepherd, Esq | 500 |
| Miles Williams, Esq | 300 |
| Chas. F. Smithers, Esq | 250 |
| John Kerry, Esq | 250 |
| A. Baumgarten, Esq | 250 |
| H. W. Thornton, M.D. (New | |
| R. W. Elmenhorst, Esq | 250 |
| W. F. Lewis, Esq | 250 |
| Geo. Armstrong, Esq | 250 |
| J. M. Douglas, Esq | 250 |
| H. Lyman, Sons & Co | 250 |
| William Osler, M.D | 250 |
| F. J. Shepherd, M.D | 250 |
| Benj. Dawson, Esq | 200 |
| R. Wolff, Esq | 150 |
| James Stuart, M.D | 150 |
| A. T. Paterson, Esq | 100 |
| M. E. Davis, Esq | 100 |
| C. B. Hanvey, M.D. (Yale, B.C.) | 100 |
| D. Clunes, M.D. (Nanaimo, B.C.) | 100 |
| W. Kinlock, Esq | 100 |
| Hua & Richardson | 100 |
| Mrs. Cuthbert (New Richmond, Q) | 100 |
| J. M. Drake, M.D | 100 |
| Louis T. Marceau, M.D. (Napier- | |
| Hugh Paton, Esq | 100 |
| R. T. Godfrey, M.D | 100 |
| T. A. Rogers, M.D | 100 |
| W. A. Dyer, Esq | 100 |
| G. W. Wood, M.D. (Faribault, Minn.) | 100 |
| A. A. Browne, M.D | 100 |
| George Wilkins, M.D | 100 |

FACULTY OF MEDICINE—*Continued.*

| | | | |
|---|---|---|---|
| R. L. MacDonnell, M.D | $100 | J. C. Rattray, M.D | $20 |
| Joseph Workman, M.D. (Toronto) | 50 | J. H. McBean, M.D | 15 |
| Henry Lunam, B.A., M.D. (Campbellton, N.B) | 50 | J. H. Howard, M. D. (Lachine) | 10 |
| | | J. W. Oliver, M.D. (Clifton, O.) | 10 |
| ville, Q.) | 25 | D. A. McDougall, M.D. (Ottawa O.) | 10 |
| R. J. B. Howard, M.D | 25 | A. Pousette, M.D. (Sarnia, O.) | 10 |
| T J. Alloway, M.D | 25 | A. Ruttan, M.D. (Napanee, O.) | 10 |
| R. F. Rinfret (Quebec) | 20 | James Gun, M.D. (Durham, O.) | 10 |
| Robt. Howard, M.D. (St. Johns) | 20 | J. McDiarmid, M.D | 5 |
| Drs. J. & D. J. McIntosh (Vankleek Hill) | 20 | W. J. Derby, M.D | 5 |
| | | J. Gillies, M.D | 5 |
| Griffith Evans, M D. (Vet. Dept. Army) | 25 | J. B. Benson, M.D | 5 |
| | | L. A. Fortier, M.D | 5 |
| J. J. Farley, M.D. (Belleville) | 25 | J. A. McArthur, M.D | 5 |
| Henry R. Gray, Esq | 25 | John Campbell, M.D. (Seaforth O.) | 5 |
| J. E. Brouse, M.D. (Prescott) | 20 | | |

III. CAMERON OBSTETRICAL ENDOWMENT.

Dr. J. C. Cameron ..... $10,000

## THE GRADUATES' FUNDS.

THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution:—

*Resolved*:—"That the members and graduates be invited to subscribe to a "fund for the endowment of the Libraries of the University; said fund to be in- "vested and the proceeds applied under the supervision of the Council of the "Society in annual additions to the Libraries; an equitable division of said pro- "ceeds to be made by the Council between the University Library and those of "The Professional Faculties."

(In terms thereof the following subscriptions have been announced to date May 1st, 1889, they are payable in one sum, or in instalments as subscribers have elected.)

*Alphabetically Arranged.*

| | | | |
|---|---|---|---|
| Baynes, O'Hara, B.C.L | $ 50 | Hall, J. S., jun., B.A., B.C.L | $ 50 |
| Bethune, M.B., M.A., B.C.L | 50 | Hall, Rev. W., M.A | 10 |
| Blackader, Alex. D., B.A., M.D. | 50 | Harrington, B. J., B.A., Ph.D | 50 |
| Burland, J. H., B. A. Sc | 120 | Holton, Edward, B.C.L | 100 |
| Browne, A. A., B. A., M.D | 50 | Hutchinson, M., B.C.L | 5 |
| Cline, J. D., B A., M.D | 25 | Keller, F. J., B.C.L | 25 |
| Cushing, Lemuel, LL.D., B.C.L. | 25 | Kelley, F. W., B.A., Ph.D | 100 |
| Dougall, J. R., M.A | 50 | Laing, Rev. R., M.A | 100 |
| Ells, R. W., M.A | 50 | Lyman, F. S., B.A., B.C.L | 50 |
| Empson, Rev. J., M.A | 25 | Lyman, H. H., M.A | 100 |
| Gardner, Wm., M.D | 100 | Mackenzie, Fred., B.C.L | 100 |
| Gibb, Charles, B.A | 50 | Maclaren, J. J., M.A., B.C.L | 100 |
| Gilman, F.E., LL.D., B.C.L | 100 | Macleod, C. H., Ma.E | 50 |
| Gould, C.H., B.A | 100 | Macmaster, D., B.C.L | 100 |

## THE GRADUATES' FUNDS—*Continued.*

| | | | |
|---|---|---|---|
| Marler, Wm. DeM., B.A., B.C.L. | $ 125 | Robins, S. P., LL.D | $ 50 |
| McCord, D. R., M.A., B.C.L | 100 | Roddick, T. G., M.D | 100 |
| McGregor, James, LL.D | 80 | Ross, George, M.A., M.D | 100 |
| Molson, Wm., M.D | 100 | Shepherd, J. F., M.D | 100 |
| Osler, Wm., M.D | 100 | Torrance, J. F., B.A., B.A. Sc | 100 |
| Ramsay, R. A., M.A., B.C.L | 100 | Trenholme, N. W., M.A., B.C.L. | 100 |
| Rexford, Rev. E. I., B.A | 50 | | |
| Robertson, Alex., B.A | 100 | Total to date | $3,090 |

### THE DAWSON PRINCIPALSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a Fund towards the Endowment of the Principalship, under the above name.

Details of the scheme can be had from the Treasurer, C. H. McLeod, Esq., Ma.E. The following subscriptions have been announced to date May 1st, 1889. They are payable in one sum, in instalments, without interest, or with interest till payment of capital, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Abbott, H., B.C.L | $ 60 | Lyman, H.H., M.A | $ 100 |
| Archibald, H., B.A.Sc | 20 | Lyman, A. C., M.A., B.C.L. | 50 |
| Bethune, M. B., M.A., B.C.L | 50 | McCormick, D., B.C.L | 100 |
| Carter, C. B, B.C.L | 100 | McGibbon, R. D., B.A., B.C.L | 100 |
| Cruickshank' W. G., B.C.L | 100 | McGoun, A., jun., B.A., B.C.L | 50 |
| Dawson, W. B., M.A., Ma. E | 50 | McLennan, J. S., B.A | 100 |
| Dougall, J R., M.A | 250 | Ramsay, R A., B.A., B.C.L | 50 |
| Gibb, C., B.A | 100 | Spencer, J. W., B.A.Sc., Ph.D | 50 |
| Hall, Rev. Wm., M.A | 100 | Stephens, C. H., B.C.L | 100 |
| Hall, J. S., jun., B.A., B.C.L | 100 | Stewart, D. A., B.A.Sc | 20 |
| Harrington, B.J., B.A., Ph.D | 50 | Stewart, J., M.D | 60 |
| Hutchinson, M., B.C.L | 400 | Tait, M. M., B.C.L | 100 |
| Kirby, J., LL.D, D.C.L | 50 | Taylor, A. D., B.A., B.C.L | 100 |
| Krans, Rev. E.H., M.A., LL.D | 100 | Trenholme, N. W., A.M., B.C.L. | 400 |
| Leet, S. P., B.C.L | 100 | | |
| Lighthall, W. D., B.A., B.C.L | 100 | Total to date | $3,010 |

## ADDITIONAL ENDOWMENT, (*June* 1889.)

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; Founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—$40.000.

## EXTRACT FROM THE DEED OF GIFT OF THE HON. SIR DONALD A. SMITH, K.C.M.G., LL.D., TO McGILL UNIVERSITY.

(OCTOBER 16th, 1886.)

This donation is hereby made upon the following conditions, which are of the essence thereof, and without which the same would not have been made, namely:—

1st. That the said Donation shall be known and designated as "The Donalda Endowment for the Higher Education of Women," and that the amount thereof shall be invested by the Donee, and the income thereof shall be used in providing a collegiate education for women. Such education shall for the present be conducted in the buildings of the McGill College itself, as a distinct Special Course in the Faculty of Arts; but as soon as practicable the Classes shall be erected into a separate College of McGill University for the higher education of women, with a separate building from that of McGill College. And it is the desire of the Donor that effectual provisions be made by means of the appointment of a Principal, or other local head, for the management of the internal economy and discipline of the said College.

2nd. That in the said Special Course, due provision shall be made by the Governors and Corporation of McGill University, for the conduct and management of classes for women entirely separate from the classes for men, and that no portion of the endowment hereby granted shall at any time be applied either directly or indirectly to sustain mixed classes of the two sexes.

3rd. That the standard of education of women in said course shall be the same as that for men for the ordinary degrees of the said University in Arts, as already arranged by the authorities of the said McGill College, and as announced in the Calendar for 1886 and 1887. But such modifications may hereafter be made in the Course of study from time to time, as the Corporation of McGill University may deem expedient in the interest of the women pupils, but without reducing the standard of education hereby fixed. And the Degrees to be granted to women shall be those of B.A., M.A., and LL.D., which shall be so granted to them on the same conditions as to men, except as to their eligibility as Fellows, and the examinations for such Degrees and for classing, honors, prizes and medals shall be identical with those for men.

4th. That the women undergraduates shall have the right, at their option, to enter the honor classes in the Third and Fourth Years, on the same terms and conditions upon which men may do so.

ANNUAL CALENDAR

OF

# McGILL COLLEGE

AND

# UNIVERSITY,

MONTREAL.




FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821 AND RE-ORGANIZED BY AN
AMENDED CHARTER IN 1852.

## SESSION 1890-91.

Montreal:
PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.
1890.

The *List of Graduates* and the *Examination Papers* of the Session 1889-90 are published separately, and may be obtained on application to the Secretary, or through booksellers.

# Professors Emeriti.

[*Retaining their Rank and Titles, but retired from the active work of Instruction.*]

HENRY ASPINWALL HOWE, LL.D.
*Emeritus Professor in the Faculty of Arts.*

WILLIAM WRIGHT, M.D.
*Emeritus Professor in the Faculty of Medicine.*

HON. R. G. LAFLAMME, D.C.L., Q.C.
*Emeritus Professor in the Faculty of Law.*

D. C. McCALLUM, M.D.
*Emeritus Professor in the Faculty of Medicine.*

HON. H. F. RAINVILLE, LL.D. (Laval)
*Emeritus Professor in the Faculty of Law.*

G. E. FENWICK, M.D.
*Emeritus Professor of Surgery.*

MATTHEW HUTCHINSON, D.C.L.
*Emeritus Professor in the Faculty of Law.*

J. EMERY ROBIDOUX, D.C.L.
*Emeritus Professor in the Faculty of Law.*

# Officers of Instruction.

SIR WILLIAM DAWSON, M.A., LL.D., F.R.S., C.M.G.
*Principal, Logan Professor of Geology and Professor of Natural History.* East Wing, McGill College

ALEXANDER JOHNSON, M.A., LL.D. (Trin. Col., Dublin)
*Professor of Mathematics, and Peter Redpath Professor of Natural Philosophy, Vice-Principal and Dean of the Faculty of Arts.* 5 Prince of Wales Terrace.

REV. GEORGE CORNISH, M.A., LL.D.
*Hiram Mills Professor of Classical Literature. Honorary Librarian.* 177 Drummond Street.

PIERRE J. DAREY, M.A., B.C.L., LL.D., *Officier d' Academie.*
*Professor of French Language and Literature.* 39 McGill College Av.

ROBERT CRAIK, M.D.,
*Dean of the Faculty of Medicine, and Professor of Hygiene.* 1 Prince of Wales Ter.
Sherbrooke Street.

N. W. TRENHOLME, Q.C., M.A., D.C.L.
*Dean of the Faculty of Law, and Gale Professor of Roman and Public Law.* Temple Building, 185 St. James St Rosemont.
Cote St. Antoine.

HON. J. S. WURTELE, D.C.L.
*Professor of Law of Real Estate.* 78 Union Avenue.

GILBERT P. GIRDWOOD, M.D.
*Professor of Chemistry, Faculty of Medicine.* 54 Beaver Hall Hill.

REV. J. CLARK MURRAY, LL.D. (Glasgow)
*Professor of Logic, and John Frothingham Professor of Mental and Moral Philosophy.* 111 Mackay Street

GEORGE ROSS, M.A., M.D.
*Vice Dean and Professor of the Theory and Practice of Medicine.* 49 Union Avenue.

BERNARD J. HARRINGTON, B.A., Ph.D., F.G.S.
*David J. Greenshields Professor of Chemistry and Mineralogy, and Lecturer in Assaying and Mining.* Wallbrae Pl., off 256 Univ. St.

THOMAS G. RODDICK, M.D.
*Professor of Surgery and Clinical Surgery.* 80 Union Avenue.

WILLIAM GARDNER, M.D.
*Professor of Gynæcology.* 109 Union Avenue.

HENRY T. BOVEY, M.A., A.M.I.C.E., M.I.M.E., Fellow Queen's College, Cambridge.
*Dean of the Faculty of Applied Science, William Scott, Professor of Civil Engineering and Applied Mechanics.* 31 Ontario Avenue.

CHARLES E. MOYSE, B.A. (London)
*Molson Professor of English Language and Literature, Lecturer in History.* 802 Sherbrooke.

JOHN S. ARCHIBALD, Q.C., M.A., D.C.L.
*Professor of Commercial Law.* 181 St. James St., or 113 Mackay.

C. H. McLEOD, Ma.E.
*Professor of Descriptive Geometry and Superintendent of Meteorological Observatory.* Observatory McGill College.

LEONIDAS HEBER DAVIDSON, Q.C., M.A., D.C.L.
*Professor of Commercial Law.* 61 Burnside Street, or 194 St. James.

FRANCIS J. SHEPHERD, M.D.
*Professor of Anatomy.* 152 Mansfield Street.

FRANK BULLER, M.D.
*Professor of Ophthalmology and Otology.* 123 Stanley Street.

JAMES STEWART, M.D.
*Professor of Materia Medica and Therapeutics.* 939 Dorchester Street.

GEORGE WILKINS, M.D.
*Professor of Medical Jurisprudence and Lecturer in Histology.* 898 Dorchester Street.

D. P. PENHALLOW, B. Sc. (Boston Univ.)
*Professor of Botany.* The Sherbrooke, Sherbrooke Street.

G. H. CHANDLER, M.A.
*Professor of Practical Mathematics in Faculty of Applied Science, Lecturer in Mathematics Faculty of Arts, and Assistant Superintendent of Observatory.* 32 Lorne Avenue.

RICHARD L. MACDONNELL, B.A., M.D.
*Professor of Clinical Medicine.* 117 Metcalfe Street.

T. WESLEY MILLS, M.A., M.D.
*Professor of Physiology.* McGill College

JAMES C. CAMERON, M.D.
*Professor of Midwifery and Diseases of Children.* 43 Belmont Street.

REV. DANIEL COUSSIRAT, B.A., *Officier d' Academie.*
*Professsor of Hebrew and Oriental Literature.* 106 Shuter Street.

A. J. EATON, M.A., Ph.D. (Leipsic)
*Assistant Professor of Classics.* 21 Durocher Street.

ARCHIBALD McGOUN, M.A., B.C.L.
*Professor of Legal Bibliography.* 294 Stanley St., or 181 St. James Street.

DUNCAN McEACHRAN, F.R.C.V.S., D.V.S.
*Dean of the Faculty of Comparative Medicine and Veterinary Science and Professor of Veterinary Medicine and Surgery.* 6 Union Avenue.

MALCOLM C. BAKER, D.V.S.
*Professor of Veterinary Anatomy.* 6 Union Avenue.

CHARLES McEACHRAN, D.V.S.
*Professor of Veterinary Obstetrics and diseases of Cattle.* 6 Union Avenue.

JOHN COX, M.A. (Cantab.), late Fellow Trin. Col., Cambridge.
*William C. McDonald Professor of Experimental Physics.* McGill College.

CHARLES A. CARUS-WILSON, B.A. (Cantab.), A.M.I.C.E.
*Thomas Workman Professor of Mechanical Engineering.* McGill College.

CHRISTOPHER A. GEOFFRION, Q.C., B.C.L.
*Professor of Law of Contracts.* 107 St. James Street.

THOMAS FORTIN, LL.L.
*Professor of Civil Procedure and Municipal Law.* 1613 Notre Dame Street.

W. De M. MARLER, B.A., B.C.L.
*Professor of Notarial Law.* 157 St James Street.

CHARLES J. DOHERTY, Q.C., B.C.L.
*Professor of Civil Law.* — 180 St. James Street.

HARRY ABBOTT, Q.C., B.C.L.
*Professor of Commercial Law.* — 11 Hospital Street.

EUGENE LAFLEUR, B.A., B.C.S.
*Professor of Civil Law.* — N. Y. Life Building, Place d'Armes.

PAUL T. LAFLEUR, M.A.
*Lecturer in Logic and English.* — 58 University.

P. TOEWS, M.A.
*Lecturer in German Language and Literature.* — 34 Lorne Avenue.

R. F. RUTTAN, B.A., M.D.
*Lecturer in Chemistry, Medical Faculty.* — McGill College.

JAMES BELL, M.D.
*Lecturer in Clinical Surgery.* — 53 Union Avenue.

FRANK D. ADAMS, M.A.Sc.,
*Lecturer in Geology, Lithology, Arts and Applied Science.* — 41 McGill College Avenue.

WILLIAM R. SUTHERLAND, M.D.
*Curator of Medical Museum and Asst. Dem. of Anatomy.* — 764 Sherbrooke Street.

GEORGE W. MAJOR, B.A., M.D.
*Instructor in Laryngology.* — 82 Union Avenue.

ALEXANDER D. BLACKADER, B.A., M.D.
*Instructor in Diseases of Children.* — 70 Beaver Hall Hill.

WYATT G. JOHNSTON, M.D.
*Demonstrator of Pathology.* — McGill College.

T. JOHNSON ALLOWAY, M.D., L.R.C.S., L.R.C.P. (Edinburgh).
*Instructor in Gynæcology.* — 934 Dorchester Street.

F. G. FINLEY, M.D.
*Assistant Demonstrator of Anatomy.* — 801 Dorchester Street.

H. S. BIRKETT, M.D.
*Assistant Demonstrator of Anatomy.* — 123 Stanley Street.

E. H. HAMILTON, B.A.Sc.
*Assistant to Superintendent of Meteorological Observatory.* — Observatory, McGill College.

PERCY N. EVANS, B.A.Sc.
*Assistant to Professor of Chemistry, Arts and Applied Science.* — 21 Milton Street.

JAMES NAISMITH, B.A.
*Instructor in Gymnastics.*

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## DONALDA SPECIAL COURSE.

MISS HELEN S. GAIRDNER, Lady Superintendent. — 47 Victoria Street.

MISS. HELEN O. BARNJUM,
*Instructress in Gymnastics.* — 24 Union Avenue.

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## LIBRARY.

MR. H. MOTT, *Library Assistant,* — Library, McGill College.

# General Statement.

## SESSION OF 1890-91.

The Fifty-eighth Session of the University, being the Thirty-seventh under the amended Charter, will commence in the Autumn of 1890.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties, in McGill College, and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. McGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions, of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

The Degree of B.A. from this University admits the holder to the study of learned professions without preliminary examination, in the Provinces of Quebec and Ontario, and in Great Britain and Ireland, &c.

THE DONALDA SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions and honours similar to those for men

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions, of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

THE FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.—The complete course extends over three Sessions of six months each, and leads to the Degree of D.V.S.

THE FACULTY OF LAW.—The complete course in Law extends over three Sessions of six months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec*.—Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from REV. JOHN COOK, D.D., Principal.]

ST. FRANCIS COLLEGE, *Richmond, P. Q.*—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from A. W. BANNISTER, M.A., Principal.]

THE STANSTEAD WESLEYAN COLLEGE, *Stanstead, P. Q.*—Is affiliated in so far as regards the Intermediate Examination in Arts. [Detailed information may be obtained of REV. F. MCAMMOND, B.A., Principal.]

## III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of Free Tuitions are granted by the Board of Governors to the Students of these Colleges, when matriculated in Arts.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal*. Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

## IV. McGILL NORMAL SCHOOL.

THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

## V. AFFILIATED HIGH SCHOOLS, ETC.

The Trafalgar Institute for the higher education of women, Simpson St., Montreal; Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St.; Principal, H. Aspinwall Howe, LL.D. The Girls' High School of Montreal, Metcalfe St.; Lady Principal, Mrs. H. H. Fuller.

*Schools which have prepared successful candidates for* A.A. *or for matriculation (June,* 1890.)

High School, Montreal; Girls' High School, Montreal; Misses Symmers and Smith's School, Montreal; Mrs. Watson's School, Montreal; High School, Quebec; Girls' High School, Quebec; Girls' High School, St. John, N.B.; Aylmer Model School; Coaticook Academy; Cookshire Model School; Cowansville Academy; Danville Model School; Granby Academy; Huntingdon Academy; Inverness Academy; Knowlton Academy; Lachute Academy; St. Francis College School, Richmond; Sherbrooke Boys' Academy; Sherbrooke Girls' Academy; Stanstead Wesleyan College; St. John's High School; Sutton Model School; Waterloo Academy; Brockville Collegiate Institute; Glencoe High School; Goderich High School; Eliock School, Montreal; Ottawa Collegiate Institute; Parkhlil High School; Parkdale Collegiate Institute.

# ACADEMICAL YEAR 1890-91.

## SEPTEMBER, 1890.

| | |
|---|---|
| 1 Monday | Normal School opens. |
| 2 Tuesday | |
| 3 Wednesday | Meeting of Normal School Committee. |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | |
| 13 Saturday | |
| **14 SUNDAY** | |
| 15 Monday | Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. Meeting of Faculty of Law. |
| 16 Tuesday | Mat. and Sup. Ex'ns in Math's Exhib. & Scholarship Exam. |
| 17 Wednesday | Mat. & Sup. Ex'ns in English, Logic, Men. and Mor. Phil. Exhib. and Sch. Exm'ns. |
| 18 Thursday | Mat. & Sup. Ex'ns in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns. |
| 19 Friday | Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. |
| 20 Saturday | |
| **21 SUNDAY** | |
| 22 Monday | Meeting of Faculty of Arts. |
| 23 Tuesday | |
| 24 Wednesday | Matric. Exam. in Law. |
| 25 Thursday | Summer Essays in Applied Sc. |
| 26 Friday | Matric. Exam. in Medicine. Meeting of Governors. Register Medical Faculty opens. |
| 27 Saturday | Meeting of Faculty of Law. |
| **28 SUNDAY** | |
| 29 Monday | |
| 30 Tuesday | Meeting of Fac. of App. Sc. |

## OCTOBER, 1890.

| | |
|---|---|
| 1 Wednesday | Session of Medical and Law Faculties begins. Meeting Nor. School Committee. |
| 2 Thursday | |
| 3 Friday | Meeting Faculty of Arts. |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | |
| 7 Tuesday | Founder's Birthd'y. The Wm. |
| 8 Wednesday | Molson Hall opened, 1862. |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | |
| **12 SUNDAY** | |
| 13 Monday | Meeting of Faculty of Law. |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | Meeting of Faculty of Arts. |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | Meeting of Museum Com. |
| 21 Tuesday | Meeting of Library Com. |
| 22 Wednesday | Regular Meeting of Corporation |
| 23 Thursday | Reps. Schol. & Exh. Ac. and School Exams Appd. |
| 24 Friday | Meeting of Governors. |
| 25 Saturday | |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | |
| 30 Thursday | |
| 31 Friday | Meeting of Faculty of Arts. |

## NOVEMBER, 1890.

| | |
|---|---|
| 1 Saturday | |
| **2 SUNDAY** | |
| 3 Monday | |
| 4 Tuesday | Meeting of Fac. App. Science. |
| 5 Wednesday | Meeting Normal School Com. |
| 6 Thursday | |
| 7 Friday | |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | Meeting of Faculty of Law. |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | Meeting of Faculty of Arts. |
| 15 Saturday | |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | |
| 29 Wednesday | |
| 20 Thursday | |
| 21 Friday | Meeting of Governors. |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | |
| 25 Tuesday | |
| 26 Wednesday | |
| 27 Thursday | |
| 28 Friday | Meeting of Faculty of Arts. |
| 29 Saturday | |
| **30 SUNDAY** | |

## DECEMBER, 1890.

| | |
|---|---|
| 1 Monday | |
| 2 Tuesday | Meeting of Faculty of App. Sc. |
| 3 Wednesday | Meeting of Nor. Sch. Comm. |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | Meeting of Faculty of Law. |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | Meeting of Fac. of Arts. Lectures in Arts and Ap. Sc. end. |
| 13 Saturday | Exam. Bot. Med. Students. Examinations in Law. |
| **14 SUNDAY** | |
| 15 Monday | Christmas Examinations begin. |
| 16 Tuesday | |
| 17 Wednesday | Examinations in Law. |
| 18 Thursday | Examinations in Law. [in Law. |
| 19 Friday | Meeting of Governors. Exams |
| 20 Saturday | Christmas Vacation begins. Examinations in Law. |
| **21 SUNDAY** | |
| 22 Monday | |
| 23 Tuesday | |
| 24 Wednesday | |
| 25 Thursday | Christmas-Day. |
| 26 Friday | |
| 27 Saturday | |
| **28 SUNDAY** | |
| 29 Monday | |
| 30 Tuesday | |
| 31 Wednesday | |

## JANUARY, 1891.

| | |
|---|---|
| 1 Thursday | |
| 2 Friday | |
| 3 Saturday | Christmas Vacation ends. |
| **4 SUNDAY** | |
| 5 Monday | Lectures in Arts, Law, Med. & App. Sci. recommence. |
| 6 Tuesday | Meeting of Fac. of App. Sci. |
| 7 Wednesday | Meeting of Nor. Sc. Comm. |
| 8 Thursday | |
| 9 Friday | Meeting of Faculty of Arts. |
| 10 Saturday | |
| **11 SUNDAY** | |
| 12 Monday | Meeting of Faculty of Law. |
| 13 Tuesday | |
| 14 Wednesday | |
| 15 Thursday | |
| 16 Friday | Meeting of Faculty of Arts. |
| 17 Saturday | |
| **18 SUNDAY** | |
| 19 Monday | Meeting of Museum Com. |
| 20 Tuesday | Meeting of Library Com. and of School Examiners. |
| 21 Wednesday | Regular Meet'g of Corporation. |
| 22 Thursday | Examiners appointed. Annual |
| 23 Friday | Report to Visitor. |
| 24 Saturday | Meeting of Governors. |
| **25 SUNDAY** | |
| 26 Monday | |
| 27 Tuesday | |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | Theses for M.A.&LL.D. to be |
| 31 Saturday | sent in to the Dean of Fac. of Arts. Meeting of Fac. of Arts and University Examiners. |

## FEBRUARY, 1891.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | Theses for Deg. of B.C.L. to be sent in to Dean of Fac. of Law |
| 3 Tuesday | Meeting of Fac. App. Science. |
| 4 Wednesday | Meeting of Nor. Sch. Comm. |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | Meeting of Faculty of Law. |
| 10 Tuesday | |
| 11 Wednesday | No Lectures. |
| 12 Thursday | |
| 13 Friday | Meeting of Faculty of Arts. Supplemental Exam's in Arts and Applied Science. |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | Meeting of Governors. |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | |
| 24 Tuesday | Theses for Degree of B.C.L. to |
| 25 Wednesday | be sent in to Dean of Faculty |
| 26 Thursday | |
| 27 Friday | Meeting of Faculty of Arts. |
| 28 Saturday | |

## MARCH, 1891.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | Theses for degree of B.C.L. to be sent in to Dean of Faculty. |
| 3 Tuesday | Meeting of Fac. of Ap. Science. |
| 4 Wednesday | Meeting of Nor. Sc. Com. |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | Meeting of Faculty of Law. |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | Meeting of Fac. of Arts. |
| 14 Saturday | Examinations in Law, and Botany Med. Fac. |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | Meeting Fac. App. Sci. |
| 18 Wednesday | Lectures in Medicine end. |
| 19 Thursday | Exam's in Med. begin. |
| 20 Friday | Meeting of Fac. of Arts. Reports of Attendance on Lects. |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | |
| 24 Tuesday | |
| 25 Wednesday | |
| 26 Thursday | Lects. in Arts and Ap. Sc. end. |
| 27 Friday | Good Friday. Easter Vac. begins |
| 28 Saturday | Meeting of Governors. |
| **29 SUNDAY** | Easter. |
| 30 Monday | |
| 31 Tuesday | Easter vacation ends. Meeting of Fac. of Ap. Science |

## APRIL, 1891.

| | |
|---|---|
| 1 Wednesday | and Convocation for Degrees |
| 2 Thursday | in Medicine. |
| 3 Friday | |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | |
| 7 Tuesday | |
| 8 Wednesday | Meeting of Nor. Sc. Committee |
| 9 Thursday | |
| 10 Friday | Meeting of Fac. of Arts. |
| 11 Saturday | Exams. in Law begin. |
| **12 SUNDAY** | |
| 13 Monday | Meeting of Faculty of Law. |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | Meeting of Museum Committee |
| 21 Tuesday | Meeting of Library Committee |
| 22 Wednesday | Regular meeting of Corporation. |
| 23 Thursday | Meeting of Examiners, & of Fac. Arts and Law. |
| 24 Friday | Meeting of Governors. |
| 25 Saturday | Declaration of result of Exam's. |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | Convocation for Degrees in Law and Applied Science. |
| 30 Thursday | Convocation for Degrees in Arts. |

## MAY, 1891.

| | |
|---|---|
| 1 Friday | Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin. |
| 2 Saturday | |
| **3 SUNDAY** | |
| 4 Monday | |
| 5 Tuesday | |
| 6 Wednesday | Meeting Nor. Sch. Committee. |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | |
| 15 Friday | |
| 16 Saturday | |
| **17 SUNDAY** | Whit-Sunday. |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | |
| 22 Friday | Meeting of Governors. |
| 23 Saturday | |
| **24 SUNDAY** | Trinity Sunday. Queen's Birthday. |
| 25 Monday | |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | Normal Sch. closes for Summer Vacation. |
| 30 Saturday | |
| **31 SUNDAY** | |

## JUNE, 1891.

| | |
|---|---|
| 1 Monday | Examinations for Matric. and Associate in Arts begin. |
| 2 Tuesday | |
| 3 Wednesday | Normal School Committee. |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | |
| 13 Saturday | |
| **14 SUNDAY** | |
| 15 Monday | |
| 16 Tuesday | |
| 17 Wednesday | |
| 18 Thursday | |
| 19 Friday | Declaration of results of School Examinations. |
| 20 Saturday | |
| **21 SUNDAY** | |
| 22 Monday | Meetingof Museum Committee. |
| 23 Tuesday | Meeting of Library Committee. |
| 24 Wednesday | Regular Meeting of Corporat'n. Report of Normal School. |
| 25 Thursday | |
| 26 Friday | Meeting of Governors. |
| 27 Saturday | |
| **28 SUNDAY** | |
| 29 Monday | |
| 30 Tuesday | Summr. Sessn. Med. Fac. ends. |

## JULY, 1891.

| | |
|---|---|
| 1 Wednesday | |
| 2 Thursday | |
| 3 Friday | |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | |
| 7 Tuesday | |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | |
| 21 Tuesday | |
| 22 Wednesday | |
| 23 Thursday | |
| 24 Friday | |
| 25 Saturday | |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | |
| 30 Thursday | |
| 31 Friday | |

## AUGUST, 1891.

| | |
|---|---|
| 1 Saturday | |
| **2 SUNDAY** | |
| 3 Monday | |
| 4 Tuesday | |
| 5 Wednesday | |
| 6 Thursday | |
| 7 Friday | |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | |
| 15 Saturday | Peter Redpath Museum opened 1882. |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | |
| 19 Wednesday | |
| 20 Thursday | |
| 21 Friday | |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | |
| 25 Tuesday | |
| 26 Wednesday | |
| 27 Thursday | |
| 28 Friday | |
| 29 Saturday | |
| **30 SUNDAY** | |

## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS, SEPTEMBER, 1890.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | HOURS. |
|---|---|---|---|---|---|
| Monday. | 15 | Greek. | Greek. | Greek. | 9 to 12 |
| " | 15 | Latin. | Latin. | Latin Prose Comp. | 2 to 5 |
| " | 15 | | | Mathematics. | 9 to 12 |
| Tuesday. | 16 | Mathematics. | Mathematics. | Latin. | 9 to 12 |
| " | 16 | | | Mathematics. | 9 to 12 |
| " | 16 | | | Botany. | 9 to 12 |
| " | 16 | Mathematics. | Mathematics. | Ancient History. | 2 to 5 |
| " | 16 | | | Botany. | 2 to 5 |
| Wednesday. | 17 | English. | English. | English. | 9 to 12 |
| " | 17 | | | Logic. | 9 to 12 |
| " | 17 | English. | | English. | 2 to 5 |
| " | 17 | | Chemistry. | Chemistry. | 2 to 5 |
| Thursday. | 18 | | | Mathematics. | 9 to 12 |
| " | 18 | | | Botany. | 9 to 12 |
| " | 18 | | French. | French. | 9 to 12 |
| " | 18 | Grammar and Comp. (Classics.) | General Paper. (Classics.) | English Composition | 2 to 5 |
| Friday. | 19 | | Mathematics. | Mathematics. | 9 to 12 |
| | | | English. | | 2 to 5 |

*CHRISTMAS EXAMINATIONS, DECEMBER, 1890.*

| DAY. | DATE | FIRST YEAR | SECOND YEAR. | THIRD YEAR. | FOURTH YEAR. |
|---|---|---|---|---|---|
| Monday. | 15 | Latin. | Latin. | Mechanics. | Astronomy. |
| " | 15 | | M'matics, P.M. | | |
| Tuesday. | 16 | Greek. | Botany. | Greek. | Greek. |
| " | 16 | | | | Latin, P.M. |
| Wednesday. | 17 | Mathematics. | Psychology. | Latin. | Moral Philosophy |
| " | 17 | French, P.M. | French, P.M. | Zoology, P.M. | Geology, P.M. |
| Thursday. | 18 | Chemistry, | Greek. | | |
| " | 18 | German, P.M. | German, P.M. | | |
| " | 18 | Hebrew, P.M. | Hebrew, P.M. | | |
| Friday. | 19 | English. | | Ment. Phil. | |

## FACULTY OF ARTS.

### SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1891.

| Day. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| April. | A.M. P.M. | A.M. P.M. | A.M. P.M. | A.M. P.M. |
| 1 Wed. | Hebrew and German. ..... | Hebrew and German..... | Hebrew and German ... | Hebrew and German. |
| | ..... | ..... | ..... | B.A. Honours. |
| 2 Thurs. | Greek..... | Greek..... | Mechanics..... | Ethics. Ethics. |
| 3 Fri. | Latin.... Anc. History | Latin. Composition | Latin..... | Latin. Latin. |
| 6 Mon. | English..... | English. English. | Ex. Phy- English. sics. | Ex. Phy- History. sics. |
| 8 Wed. | Geometry and Arithmetic. ... | Mathematics..... | Greek..... | Mechanics and |
| 10 Fri. | Trigonometry and Algebra..... | ..... | ..... | B.A. Honours. |
| | | Mathematics..... | Astronomy and .... Optics..... | Astr'y and Optics. B.A. Honours. |
| 13 Mon. | French..... | French..... | Metaphysics..... | Geology. Geology. |
| 14 Tues. | Chemistry..... | ..... | ..... ... Zoology | Greek. History. |
| 15 Wed. | ..... | Logic..... | ..... | ..... |
| 16 Thurs. | ..... | Botany..... | French..... | French; B.A. Hon- ours. |
| 17 Fri. | ..... | ..... | ..... | B.A. Honours. |
| 18 Sat. | Meeting of | Examiners. | | |
| 20 Mon. | Meeting of | Examiners. | | |
| 21 Tues. | Honour Examinations | Honour Examinations | Honour Exam'tions | B.A. Honours. |
| 22 Wed. | Meeting of | Examiners. | Meeting of | Corporation. |
| 23 Thurs. | Honour Examinations | Honour Examinations | Honour Exam'tions | B.A. Honours. |
| 24 Fri. | Meeting of | Examiners. | | |
| 25 Sat. | Meeting of | Examiners. | Declaration | of results. |
| 30 Thurs. | Convocation for Degr | ees in Arts. | | |

The Examinations begin at 9 A.M. and 2 P.M. when not specified otherwise

## FACULTY OF APPLIED SCIENCE.

*EXAMINATIONS.*—1890-91.

CHRISTMAS, 1890.

The days of the several Examinations will be announced by the Faculty during the Session.

SESSIONAL, 1891.

| Days. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| S. Mar. 28 | | Descrp've Geometry | Descrp've Geometry | |
| Sun. " 29 | ..... | ..... | ..... | ..... |
| M. " 30 | { Freehand & Model Drawing. | | Theory of Structures | Theory of Structures. |
| T. " 31 | | Surveying. | { Mach. & Millwork Surveying. | { Mach. & Millwork Mineralogy (adv). |
| W. April 1 | German. | German. | Theory of Structures | { Assaying Theo. of Structures |
| T. " 2 | | Materials. | Materials. | Materials. |
| F. " 3 | | Mechanism. | | Geodesy |
| S. " 4 | | Pract. Construction. | Pract. Construction. | Pract. Construction. |
| Sun. " 5 | ..... | ..... | ..... | ..... |
| M. " 6 | English. | Exp. Physics. | Exp. Physics. | Theory of Structures. |
| T. " 7 | | Practical Chemistry. | { Practical Chem. Th. of Struc. (adv.) | Theory of Structures (adv.) |
| W. " 8 | | Essay. | Essay. | Essay. |
| T. " 9 | Mathematics. | Mathematics. | Mathematics. | |
| F. " 10 | | | Mach. & Millwork | { Theo. of Structures Geology (adv.) |
| S. " 11 | Mathematics. | Mathematics. | Mathematics. | Theory of Structures (adv.) |
| Sun. " 12 | ..... | ..... | ..... | ..... |
| M. " 13 | French. | French. | Mechanical Work. Geology. | Mech. Work. |
| T. " 14 | Chemistry. | { Zoology (p.m.) Chemistry (a.m.) | Chemistry. | Chemistry. |
| W. " 15 | | English. | English. | Heat. |
| T. " 16 | | Botany. | French. | Heat (adv.). |
| F. " 17 | | | | Hydraulics. |
| S. " 18 | Mathematics. | Mathematics. | Mathematics. | Hydraulics (adv.). |
| Sun. " 19 | ..... | ..... | ..... | ..... |
| M. " 20 | | | | |
| T. " 21 | | | Mineralogy (adv.) | Geology (adv.). |
| W. " 22 | | | | |
| T. " 23 | | | Mineralogy (adv.) | Petrography |

# Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors :—DAWSON.
JOHNSON.
CORNISH.
DAREY.
MURRAY.
HARRINGTON.
MOYSE.

Professors :—PENHALLOW.
COUSSIRAT.

Assistant Prof :—EATON.

Lecturers :—CHANDLER.
LAFLEUR.
TOEWS.
ADAMS.

Dean of the Faculty :—ALEXANDER JOHNSON, LL.D.

Honorary Librarian :—REV. GEO. CORNISH, LL.D.

[CONTENTS.—*Matriculation*, &c., § I.; *Exhibitions*, &c., § II.; *Course of Study*, § III.; *Examinations, Degrees*, &c., § IV.; *Exemptions*, &c., § V.; *Medals*, &c., § VI.; *Licensed Boarding Houses*, § VII.; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees*, &c., § XI; *Courses of Lectures*, § XII.]

The next session of this Faculty will begin on September 15th, 1890, and will extend to April 30th, 1891.

## § I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Matriculated or Occasional. Matriculated Students are those who have their names entered in the Matriculation Book; they are subdivided into Undergraduates and Partial Students; Non-matriculated are denominated Occasional Students. The conditions of admission for each, and for Students of other Universities are given below.

### I. UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B. A. Candidates for admissionin to the First Year as Undergraduates are required to pass the First Year Entrance Examination. The successful Candidates are arranged as First Class, Second Class, and

Passed. To the most deserving in the First Class the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year as follows :—

(1) That held in the first week of June, at the same time as the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College ; or, if at a distance, by sending in names of Deputy Examiners for approval, with a list of Candidates on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 15th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures.

### First Year Entrance Examinations.

*(a) For Passing only.*

Examinations beginning on June 2nd in McGill College and local centres ; on September 15th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I. ; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall., Book I. ; and Virgil, Æneid, Book I., lines 1–300 ; Latin Grammar.

*Mathematics.*—Arithmetic ; Algebra to Simple Equations (inclusive), Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations an equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics. At the June examination, Candidates from Ontario may present an equivalent amount from the books prescribed for the Junior Matriculation Examination of the University of Toronto.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

For Candidates from Ontario, Second Class non-professional certificates will be accepted *pro tanto* in the Examination.

Candidates who fail in one or more subjects at the June examination and present themselves again in September will be exempted from examination in those subjects only in which the examiners may have reported them as specially qualified.

(*b*) *Higher Examination—For First Class, Second Class, Passing and Exhibitions.*

The examination will be held on September 15th and following days in McGill College only. (For Exhibitions, see § II.)

*Greek.*—Homer, Iliad, Bk. IV.; Xenophon, Anabasis, Bk. I.; Demosthenes, Philippics I. and II.

*Latin.*—Cicero, in Catilinam, Orat. II.; Virgil, Æneid, Bk. I.; Cæsar, Bell. Gall., Bk. I.

A paper on Greek and Latin Grammar.

*Text-books.*—Hadley's or Goodwin's Greek Grammar. Arnold's Greek Prose Composition, Exercises 1 to 25. Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV.; or Arnold's Latin Prose Composition by Bradley.

*Mathematics.*—Euclid, Bks. I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

*French.*—As above, with the same alternative.

SECOND YEAR ENTRANCE EXAMINATION.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see § II.) held in September, or the Candidates may take the First Year Sessional Examinations held in April. There is besides,

*For Passing only.*

An Examination beginning on Sept. 15th, in McGill College only.

*In Classics.*—*Greek.*—Homer, Iliad, Book VI.; Xenophon, Anabasis, Book I. Grammar and Prose Composition.

*Latin.*—Virgil, Æneid, Book VI.; Cicero, Orations against Catiline; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.]

*In Mathematics*:—

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (Omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations. (Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount, &c., Vulgar and Decimal Fractions, Square Root.

*In English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry.*—The Chemistry of the non-metallic Elements, and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but they are required to begin German, and to continue the study of it for two years.]

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## 2. PARTIAL AND OCCASIONAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—Candidates for Matriculation as Partial Students, taking three or more courses of Lectures, will be examined in the subjects necessary thereto, as may from time to time be determined by the Faculty.

The subjects in which an examination is necessary are: Latin, Greek, Mathematics, English, French.—Candidates are required to appear at the ordinary entrance examinations announced above; but, on application to the Faculty, may, for sufficient cause, have a later day appointed.

OCCASIONAL STUDENTS.—Persons desirous of taking one or two courses of Lectures as Occasional Students may apply to the Dean for entry in his Register, and to the professor or the professors of the subjects of the lectures, that they may be satisfied of their fitness, and may subsequently procure from the Secretary tickets for the Lectures.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the production of Certificates, to a like standing in this University, after examination by the Faculty.

### 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculties of Medicine or Applied Science in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavour to establish befitting relations.

Every matriculated Student is required to sign in the Matriculation Book the following ; —

DECLARATION.

"I hereby declare that I will faithfully observe the statutes, rules and ordi-
"nances of this University of McGill College to the best of my ability."

### 4. DIRECTIONS TO CANDIDATES FOR ADMISSION.

Candidates are required :—

(*a*) To present themselves to the Dean, and fill up a form of application for admission. (§ I.)

(*b*) To pass the required examinations (§ I.). (Unless already passed.)

(*c*) To procure tickets from the Registrar (§ XI.), and, if not Occasional Students, to sign the Matriculation Book.

(*d*) To present their tickets to the Dean. (§ XI.)

(*e*) To provide themselves with the Academic dress. (§ VIII.)

## § II. SCHOLARSHIPS AND EXHIBITIONS.

GENERAL REGULATIONS.

1. A Scholarship is tenable for *two* years. An Exhibition for *one* year.

2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation ; and also to Candidates who have obtained

what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.

3. Scholarships are divided into two classes :—(1) *Science* Scholarships ; (2 *Classical and Moaern Language* Scholarships. The subjects of examination for each are as follows :—

*Science Scholarships.*—Differential and Integral Calculus ; Analytic Geometry ; Plane and Spherical Trigonometry ; Higher Algebra and Theory of Equations ; Botany ; Chemistry ; Logic. (For subdivision see below.)

*Classical and Modern Language Scholarships.*—Greek ; Latin ; English Composition ; English Language, Literature, and History ; French or German.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to Candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation ; and also to Candidates for entrance into the Second Year.

The subjects of examination are as follows :—

*First Year Exhibitions.*—Classics, Mathematics, English.

*Second Year Exhibitions.*—Classics, Mathematics, English Language and Literature, Chemistry and French or German.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

6. No student can hold more than one Exhibition or Scholarship at the same time ; but four of the First Year Exhibitioners will be granted exemption from the Sessional fees throughout their College Course, under Presentation Scholarships from the Governor General. (See below.)

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February, and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every session.

There are at present fifteen Scholarships and Exhibitions: —

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank, Montreal:—value, $100 yearly, open to both men and women.

TEN MCDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal:—value, $125 each, yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects:—value, $120 yearly.

THE GEORGE HAGUE EXHIBITION, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics:—value, $125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills:—value, $100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature:—value, $100 to $120 yearly.

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## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1890.

*To Students entering the First Year, three Exhibitions of* $125, *and one of* $100.

The First Year Exhibitions will be awarded to the best answerers in the First Year Higher Entrance Examination (see § I.), provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful Candidates, answering in the following subjects will be taken into account also:—

1. A re-translation into Latin of an English version of some passage from one of the easier Latin Prose writers. (For specimens see Smith's Principia Latina Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English:—An Examination upon one of Shakspere's plays. For 1890.—*Coriolanus.*

4. French:—Syntax and translation from English into French, in addition to the Entrance course.

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*To Students entering the Second Year, two Exhibitions of* $125, *and one of* $100.

*Subjects of Examination:—*

*Greek.*—Homer, Odyssey, Bk. VII.; Herodotus, Bk. III., chaps. 1 to 67; Demosthenes, Olynthiacs I. and II.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Livy, Bk. XXIII. Greek and Latin Prose Composition.

A paper on Grammar and History.

*Text-books.*—Cox's General History of Greece. Merivale's General History of Rome. Goodwin's Greek Grammar. Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics.*—The Mathematics (Ordinary and Honour) of First Year.

*English Literature.*—Mason's Grammar. Shakspere, *As You Like it.* Trench, *Study of Words.*

*Chemistry.*—Roscoe's Lessons in Elementary Chemistry as far as p. 264.

*French.*—Darey, Principes de Grammaire française; Lafontaine, les Fables, livres I. and II.; Molière, L'Avare.

*Or, instead of French,*

*German.*—German Grammar.—Grimm, Kinder und Hausmærchen; Schiller, Der Gang nach dem Eisenhammer.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfil this condition.

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*To Students entering the Third Year, Four Scholarships of* $125, *and one of* $120, *tenable for two Years.*

Two of these are offered in Mathematics and Logic, and one in Natural Science and Logic, as follo ws:—

1. *Mathematics.*—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 [omitting Chap. 8], with part of Chap. 14). Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equation (selected course).

   *Logic*, as in Jevons' Elementary Lessons on Logic.

2. *Natural Science.—Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the orders of Phænogams, Pteridophytes and Bryophytes. *Chemistry*, as in Roscoe's Lessons in Elementary Chemistry.

   *Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows:—

*Classics*—*Greek.*—Euripides, Medea; Demosthenes, the Olynthiacs; Xenophon, Hellenics, Book I.; Herodotus, Book VIII.; Thucydides, Book VI. *Latin.*—Horace, Satires, Book I., and Epistles, Book I.; Virgil, Georgics, Book I.; Terence, Adelphi; Tacitus, Annals, Book I.; Pliny, Select Letters (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition.

*History.*—*Text-Books.*—Rawlinson's Manual of Ancient History; Smith's Student's Greece; Liddell's Rome.

*English Language and Literature.*—Spalding's English Literature (Chap. VI., Part III., to end of book); Shakspere, Tempest; Milton's Paradise Lost, Books I. and II.; Trench, Study of Words.

*English Composition.*—High marks will be given for this subject.

*French.*—Racine, Britannicus; Molière, les Femmes savantes. French Grammar. Bonnefon, Les Ecrivains célèbres de la France. Translation from English into French.

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*Classical Subjects for Exhibitions, September,* 1891.

FIRST YEAR.—*Greek.*—Homer, Iliad, Bk. IV.; Xenophon, Anabasis, Bk. I.; Demosthenes, Philippics I. and II.

*Latin.*—Virgil, Æn., Bk. I.; Cicero, In Catilinam, Orat. I.; Caesar, Bell. Gall. Bks. I. and II.

SECOND YEAR.—*Greek.*—Homer, Odyssey, Bk. VII.; Demosthenes, Olynthiacs, I. and II.; Herodotus, Bk. III., chaps. 1–67.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Livy, Bk. XXIII.

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*German for Scholarships, September,* 1891.
*(As an alternative for French.)*

Grammar and Composition. Immermann, Der Oberhof. Schiller, Die Jungfrau von Orleans.

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## EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLARSHIPS, &c.

A number of these are in the gift of Benefactors, and entitle the Students holding them to exemption from the Sessional Fees in the Faculty of Arts. Sixteen have been placed by the Governors at the disposal of His Excellency the Governor General. Candidates must pass the usual Matriculation Examination.

[By command of His Excellency, four of these Exemptions will be offered for competition in the First Year Exhibition Examinations of the ensuing session.]

Eight exemptions from fees may be granted by the Board of Governors, from time to time, to the most successful Students who may present themselves as Candidates. By order of the Board one of these is given annually to the Dux of the High School of Montreal, and one to the Dux of any other Academy or High School sending up in one year for entrance, three or more Candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than $80, the Governors will add the amount of the fees of tuition hereto.

Exemptions from fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek.

By a resolution of the Board of Governors exemptions are granted to students of any affiliated Theological College, recommended by its Principal, and entering the Faculty of Arts either as Undergraduates or as Partial Students.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

## § III. COURSE OF STUDY.

An Undergraduate, in order to attain the Degree of B.A., is required, after passing the First Year Matriculation Examination (see § I), to attend the appointed courses of lectures regularly for four years, and to pass two Examinations in each year, viz., at Christmas and in April. If he fail at any one of these examinations he is not allowed to proceed with his course until he has passed it subsequently. (See § IV). Undergraduates are arranged, according to their standing, as of the First, Second, Third or Fourth Year.

The special arrangements made for Honour Students and for those attending lectures in other Faculties also are stated in § V.

## ORDINARY COURSE FOR THE DEGREE OF B.A.

### FIRST YEAR.

GREEK.—HOMER.—Iliad, Book XXII. Xenophon.—Cyropaedeia, Book I. Studies in History and Literature.

LATIN.—CICERO.—Select Orations. VIRGIL.—Georgics, Book I.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

MATHEMATICS.—Arithmetic. Euclid, six books. Algebra to end of Quadratic equations. Plane Trigonometry, in part.

ENGLISH LANGUAGE AND LITERATURE.

First term.—MILTON'S Comus and BACON'S Essays (selected). Two lectures a week. English Composition, one lecture a week.

Second term.—English Literature, previous to Elizabethan Period.

CHEMISTRY.—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work if desired; the whole preparatory to the course in Natural Science.

FRENCH.—DAREY, Principes de Grammaire française.—LAFONTAINE, Choix de Fables.—MOLIERE, L'Avare—Dictation; Colloquial exercises.

*Or either of the following:—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

HEBREW.—(For Theological Students). *Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—Text-books, HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

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### SECOND YEAR.

GREEK.—PLATO.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I.-IV.

LATIN.—HORACE.—Satires, Bk. I., 1 and 6; Bk. II., 6 SALLUST.—Jugurthine War. Translation at sight and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangle and applications.

ENGLISH LITERATURE.—A period of English Literature and one play of Shakspere. During the Session of 1890-91—The leading poets of the nineteenth century. SHAKSPERE, A Midsummer Night's Dream. [Clarendon Press Edition.]

PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (Text Book :—MURRAY'S Handbook of Psychology, Book I). Second Term.—Logic (Text-book :—JEVONS' Elementary Lessons in Logic).

BOTANY.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books.*—Gray and Bessey.

FRENCH.—Ponsard, l'Honneur et l'Argent. RACINE, Britannicus.—CONTANSEAU, Précis de litterature française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or either of the following :—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. ADLER'S Progressive German Reader (selections from Sections 3-5). TOWNSON, Easy German Stories. Dictation. Colloquial exercises. Translations, oral and written. Parsing.

HEBREW.—(For Theological Students.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Methods."—Translation from Genesis Exodus, Deuteronomy.—Exercises :—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examination see § IV.

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## THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.
ÆSCHYLUS.—Prometheus Vinctus.

*Or, instead of Greek :—*

LATIN.—JUVENAL.—Satires VIII. and XIII.
LIVY.—Book XXI.
Latin Prose Composition.

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First 3 chapters, omitting sec. 5, chapter I., and sec. 21, chapter II. ; *Dynamics*, subjects of the First 5 chapters. GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the student, provided two be taken from one division and one from the other.

*I. Literature, &c.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—*A*. CHAUCER'S Prologue to Canterbury Tales, ed. Morris, *B*. BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Pyschology, Book II., Part I.

FRENCH.—(If taken in the first two years).—CORNEILLE, Polyeucte.—Cogery —Third French course. Translation into French :—Johnson, Rasselas. French Composition. Dictation.—CONTANSEAU, Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours.

GERMAN.—(If taken in the first two years.) VANDERSMISSEN'S AND FRASER'S German Grammar. SCHILLER, Siege of Antwerp. LESSING, Minna von Barnhelm. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German composition. Dictation.

HEBREW.—(For Theological Students).—*Advanced Course.*—Gesenius' Grammar —Harper's Elements of Syntax. Exercises continued.—Translation. Reading of the Masoretic notes.—Isaiah ; Psalms ; Job ; Ecclesiastes ; Jeremiah.

*II. Science.*

† OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy, English edition ; first three chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

† EXPERIMENTAL PHYSICS.—Electricity, Magnetism, and Sound ; or, Light and Heat ; as in Ganot's Treatise.

ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology, Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-book.*—Dawson's Hand-book of Zoology.

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—Contra Ctesiphontem.

*Or, instead of Greek :—*

LATIN.—TACITUS.—Annals, Book I.
Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics.* Mechanics and Hydrostatics (as in Third Year), or Astronomy (GALBRAITH AND HAUGHTON) and Optics (GALBRAITH AND HAUGHTON).

MORAL PHILOSOPHY.—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. The Students are required to write occasional essays on Philosophical subjects.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively), the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. Text books: MYERS, Mediæval and Modern History, pp. 1–398. BRYCE, Holy Roman Empire (omit chaps. 6, 8, 9, 13, and supplementary chapter).

FRENCH.—(If taken in Third Year) BONNEFON, Les Ecrivains modernes de la France.—Translation into French.—Morley's Ideal Commonwealths. Dictation.—CORNEILLE, Polyeucte.

GERMAN.—(If taken in Third Year)—German Grammar and Composition. Dictation. FOUQUE, Undine; SCHILLER, Wallenstein. Outlines of German Literature. GOSTWICK & HARRISON (Chapters 15–24).

HEBREW.—(For Theological Students.) Advanced Course continued—Job; Proverbs.

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat; or Electricity, Magnetism and Sound:— as in GANOT'S Treatise.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Petrography.* Minerals and rocks, especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.*—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-book.*—Dawson's Handbook of Canadian Geology.

For the B. A. Examinations see § IV.

† Students claiming exemptions (see § V.), cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

NOTES ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional course is intended to be more than equivalent, in the amount of work involved, for any of the other subjects in the division.

(For details of additional courses provided see under Section XII.)

Undergraduates are required to study either French or German for two years (viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial or Occasional Students, and have in that capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures, but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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HONOUR COURSES.

2. At the examination for the degree of B.A., Honours are given in the following subjects, for which special Honour Courses are provided :—[For details see under § XII.]

1. CLASSICAL LANGUAGES AND LITERATURE.
2 MATHEMATICS AND PHYSICS.
3. MENTAL AND MORAL PHILOSOPHY.
4. ENGLISH LANGUAGE, LITERATURE AND HISTORY.
5. GEOLOGY AND OTHER NATURAL SCIENCES.
6. MODERN LANGUAGES WITH HISTORY.
7. SEMITIC LANGUAGES.

Honours are given in the above subjects in the Third Year also, and in Mathematics in the First and Second Years.

Candidates for Honours are allowed exemptions under conditions stated in § V.

## § IV. EXAMINATIONS.

### COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two Examinations in each year; one at Christmas and the other at end of the Session. In each of those the students who pass are arranged according to their answering as 1st Class, 2nd Class, and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examination.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject, before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending ectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examinations of the first two years, or in one subject at the third year Sessional Examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. Application for a Supplemental Examination must in all cases be made to the Faculty. A Partial or Occasional Student is required to pay a fee of $1 for it, if granted. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

# UNIVERSITY EXAMINATIONS.

## *For Students of McGill College and of Colleges affiliated in Arts.*

### I. FOR THE DEGREE OF B.A.

There are three University Examinations:—The *Matriculation* at entrance, the *Intermediate*, at the end of the Second Year; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1891 are as follows:—

*Classics.*—Greek.—Plato.—Apology.—Xenophon.—Memorabilia, Book I., Chaps. I. to IV. Latin—Horace.—Satires, Bk. I., 1 and 6. Bk. II., 6. Sallust, Jugurthine War.
Latin Prose Composition.

*Mathematics.*—Arithmetic.
Euclid, Books I., II., III., IV., VI., and defs. of Book V.
Algebra, to Quadratic Equations, inclusive.
Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following:—

1. *Botany and Vegetable Physiology.*—Structural and Systematic Botany, as in Gray's Text-Book, omitting the Descriptions of the Orders.
2. *French.*—Ponsard:—l'Honneur et l'Argent. Racine.—Britannicus—CONTANSEAU.—Précis de la Littérature française, from the beginning to the end of the XVIIIth century. Translation into French:—Rasselas. Grammatical questions.
3. *German.*—Schmidt's German Guide; Adler's Reader (selections from secs. 3 and 4); Translation into German.
4. *Hebrew.*—Genesis.—chaps. III., IV., V., VI.; Exodus.—chap. XX. Judges.—chap. V. Exercises: Hebrew into English, and English into Hebrew. Syntax. Reading of the Masoretic notes.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz.,

Latin or Greek ; Mathematical Physics (Mechanics and Hydrostatics) or Astronomy and Optics ; Moral Philosophy ; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1891 are as follows :—

1. *Greek.*—Æschines, Contra Ctesiphontem ; Æschylus, Prometheus Vinctus. *Greek History:*—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows) :—
2. *Latin.*—Tacitus, Annals, Book I.; Juvenal, Satt. VIII. and XIII. *Roman History.* The twelve Cæsars.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books; or
2. Optics and Astronomy, " " "

*Mental and Moral Philosophy.*

Calderwood's Handbook of Moral Philosophy (omitting the Historical Sketch,) and Rogers' Manual of Political Economy.

*Lectures, with any two of the books prescribed for Part I. of the Honour work of the Fourth Year.

*Natural Science.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Handbook of Canadian Geology.

*Practical Geology and Palæontology ; or Practical Chemistry, as in § XII.

*Experimental Physics.*

Electricity, Magnetism and Sound (see Courses of Lectures, § XII.)

*History.*

Myers:—Mediæval and Modern History; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and supplementary Chapter).

*Additional Course as in § XII.

*French.*

The Course of French for the Fourth Year.

*The subjects of the Additional Course as in § XII.

*German.*

The Course of German for Fourth Year.

*Additional Course as in § XII.

*Hebrew* (Theological Students).

Job I., II., III., IV. Proverbs I., II., III., IV. Psalms XI. to XV.

Gesenius' Grammar, Harper's Elements of Syntax, Reading of the Masoretic notes.

*Additional Courses (see § XII.)

For details of each subject, see Courses of Lectures, § XII.

At the B.A. Ordinary Examination of those Candidates who obtain the required aggregate of marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration :—

"Ego———polliceor sancteque recipio me, pro meis viribus, studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam."

### II. FOR THE DEGREE OF M.A.

1. A Candidate must be a Bachelor of Arts of at least three years standing.

*Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules :—

*a*. The subject of the thesis must be submitted to the Faculty, before the thesis is presented.

*b*. A paper read previously to any association or published in any way cannot be accepted as a thesis.

*c*. The thesis becomes the property of the University, and can not be published without the consent of the Faculty of Arts.

*d*. The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of* 1890-91 *for sending in Thesis for M.A. will be Jan.* 31*st*, 1891.

*Examination.*

3. All Candidates, except those who have taken First Rank B.A. Honours (or Second Rank B.A. Honours in or after 1889), or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each Candidate may select.

(*a*) The subjects of the Examination in *Literature* are divided into two groups as follows :—

Group A.—1. Latin. 2 Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(*b*) The subjects for the Examination in *Science* are divided into three groups :—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4 History of Philosophy.

(*c*) Every Candidate in Literature is required to select two subjects out of one group in the Literary section, and one out of the other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(*d*) One of the subjects selected as above will be considered the principal subject (being so denoted by the Candidate at the time of application), and the other two as subordinate subjects.

For further details of the Examination application must be made to the Faculty before the above date. For fees see § XI.

### III. FOR THE DEGREE OF LL.D.

Candidates must be Masters of Arts of at least twelve years standing. Every Candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a Thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

Every Candidate for the degree of LL.D. in Course is required to submit to the Faculty of Arts, with his Thesis, a list of books, treating of some one branch of Literature or of Science, satisfactory to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

## § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (*a*) He has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (*b*) satisfied the Professor that he is otherwise qualified.

(*c*) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

*I. Candidates for Honours in the Second Year.*

Candidates for Honours in the Second Year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

*II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours, if Honours be offered in the subject, or, if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary Undergraduates.

*III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B. A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners

certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see § III.

*IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine, or Applied Science of the University, or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates" see § VI.)

To be allowed these privileges in either year they must give notice at the commencement of the Session to the Dean of the Faculty of their intention to claim exemptions as Professional Students, and must produce at the end of the Session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

*V. Students of the University attending Affiliated Theological Colleges.*

1. Such Students, whether entered as Matriculated or Occasional, are subject to the regulations of the Faculty of Arts in the same manner as other students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such Students may attend, as to :—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French or German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

* Any Student who, under any of the above rules, desires to take Experimental Physics, is required to take Mechanics and Hydrostatics also, in the Third Year.

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## § VI. MEDALS, HONOURS, PRIZES, AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the

Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:

The *Henry Chapman Gold Medal*, for the Classical Languages and Literature.
The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.
The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.
The *Shakespeare Gold Medal*, for the English Language, Literature and History.
The *Logan Gold Medal*, for Geology and other Natural Sciences.
*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfils the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes on the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

The Honour Examinations are each divided into two parts, separated by an interval of a few days, under the following regulations:—

*a*. No Candidate will be admitted to Part II. unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

*b*. The names of the successful Candidates in Part I. will be announced before Part II. begins.

*c*. First or Second Rank Honours will be awarded to those Candidates only who are successful in Part II.

*d*. Third Rank Honours will be awarded to those who are successful in Part I. alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province, as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for First Class Certificates for Grades "A. and B."*

3. SPECIAL CERTIFICATES will be given to those Candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination. The Candidates must have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, be in the First Class in not less than half the subjects, and have no Third Class. At this examination no Candidate who has taken exemptions (see § V.) can be placed in the First Class, unless he has obtained First Class in each of the departments in which he has been examined.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class, and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(*a*) The Regulations for the former are as follows :—

(1) The subjects for competition shall be French and German, together with the History part of the present Honour Course for the Shakespeare Medal.

(2) The course of study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter on the Third Year of the Course, who have not obtained First Class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the course in Modern Languages, if called on to do so by the Professors.

(8) The subjects of Examination shall be those of the Honour Course in Modern Languages.

(*b*) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows:—

(1). The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B. A. Examinations.

(2). He shall be examined in the following subjects:—

(*a*) *Classics* (both languages); (*b*) *Mixed Mathematics:—Mechanics, Hydrostatics, Optics, Astronomy;* (*c*) *Moral Philosophy;* and any *two* of the following subjects, or any *one* of them with its Additional Course; (*d*) Natural Science; (*e*) Experimental Physics; (*f*) English and History; (*g*) French; (*h*) German.

(3). His answering must satisfy special conditions laid down by the Faculty.

(4). The same Candidate cannot obtain the Gold Medal for First Rank General Standing, and also a Gold Medal for first Rank Honours.

7. The Neil Stewart Prize of $20 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules:—

(1). The prize will not be given for less than a thorough examination in Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch, and such poetic portions of the Scriptures as may be determined.

(2). In case competitors should fail to attain the above standard the prize will be withheld, and a prize of Forty Dollars will be offered in the following year for the same.

[Course for the present year:—Hebrew Grammar (Gesenius); Translation and analysis of Ruth; Ecclesiastes; Malachi.

(3). There will be two Examinations of three hours each; one in Grammar and the other in Translation and Analysis.

The Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill, and will be offered for competition next session.

8 Early English Text Society's Prize.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be:—

(1). The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2). Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A.D. 1298—A.D. 1393. The Lay of Havelok the Dane (Early English Text Society, ed. Skeat).

9. NEW SHAKSPERE SOCIETY'S PRIZE. This Prize, the annual gift of the New Shakspere Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere:—

Hamlet; Macbeth; Othello; King Lear.

10. "CHARLES G. COSTER MEMORIAL PRIZE." This Prize, intended as a tribute to the memory of the late Rev. Charles G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, Esq., B. A., to the Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1891, it will be awarded to that Undergraduate of the First or Second or Third Year, from the above Provinces, who in the opinion of the Faculty has passed the most satisfactory Sessional Examinations.

11. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

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## § VII. LICENSED BOARDING HOUSES.

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

## § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct:—

1. A Class book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of the lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the Student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3 Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the Student, and, if necessary, report him to the Dean.

5. Every Student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from Classes, or report to the Corporation for expulsion.

7. Any Student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any Student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interest of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice Principal.

[NOTE.—All Students are required to appear in Academic dress while in or about the College building. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings, appointed in the Calendar.]

## § IX. LIBRARY.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions :—1st, Those which may be lent ; and 2nd. those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2. Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of $5 with the Bursar, which deposit after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of $4 entitles a Student to borrow two extra volumes.

4. A Student incurring fines beyond the sum-total of $1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person, shall be replaced or paid for at such rates as the Library Committee may direct; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs.

6. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as Students ; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Honorary Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by a special regulation of Corporation entitled to the use of the Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as Students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian or his assistant.

10. Persons not connected with the College may consult books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library exce t during these hours.

12 No person, other than the Librarian and the assistants, is allowed to enter the alcoves, or to take down books from the shelves, except members of Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant, who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assistant before leaving the Library.

15. No conversation is permitted in the Library.

## § X. PETER REDPATH MUSEUM

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lectures.

4. Any Students wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

## § XI. FEES.

All fees and fines are payable to the Bursar of the College.

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| *Matriculation Fee* for the First Year (to be paid in the Year of Entrance only) | $ 4.00 |
| *For the Second Year* (exigible from Students who enter in the Second Year, and also from those who have failed in the First Year and re-enter in the Second Year on Examination.) | 6.00 |
| *Sessional Fee* | 20.00 |
| *Library Fee* | 4.00 |
| *Gymnasium Fee* | 2.50 |

*Undergraduates* are required to pay all the above fees.

SPECIAL FEES.

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| *Fee for a certificate of standing* if granted to a Student on application | $ 1 00 |
| *Fee for a certificate of standing*, if accompanied by a statement of classification in the several subjects of examination | 2 00 |

*Examination Fee* for Students of Affiliated Theological Colleges who present themselves for the entrance examination without intending to become Undergraduates ..... 10 00

*Supplemental Examination*, for Partial or Occasional Students, if granted. 1 00

*Supplemental Examination*, when granted at any other time than that fixed by the Faculty ..... 5 00

*Additional Botany Fee* ..... 10 00

*Matriculation Certificate*, for Students intending to enter the Medical Faculty ..... 2 50

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation, Library and Gymnasium Fees, and $5 for each Course which they attend, or $20 for all the courses.

*Occasional Students* taking one course of Lectures only are required to pay $5 per Session for that course.

*Occasional Students* taking two courses of Lectures are required to pay the Library Fee and $5 for each course.

N.B.—The lectures in one subject in any one of the four College Years constitute a "Course."

The Matriculation, Library and Gymnasium Fees are exigible from Students holding exemptions from Sessional Fees.

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures except those noted as requiring a special fee.

The fees must be paid to the Secretary, and the tickets shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty and on payment of a fine of $2.

[All fines are applied to the purchase of books for the Library.]

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| *Fee for the Degree of B.A.* ..... | $ 5 00 |
| " " " *M.A.* ..... | 10 00* |
| " " " *LL.D.* ..... | 50 00* |

If the Degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is .....$25.00.

The B.A. fee must be paid before the Examination.

The M A. or LL.D. fee must be sent with the Thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the Thesis to the Dean of the Faculty.

* A Bachelor of Arts or Master of Arts, intending to proceed to a higher Degree, is required, *in addition* to the above, to keep his name on the books of the University, by the annual payment of a fee of $2 to the Registrar of the University. He may, if he prefer it, compound for the above annual fees, by the payment of $6 in one sum for the Master's Degree, or $30 for the Doctor's Degree, on or before the date of application for the Degree.

*Extract from the Regulations of the Board of Governors for Election of Fellows under Chap. V. of the Statutes of the University :*

"From and after the graduation of 1888 all new Graduates shall "pay a Registration Fee of $2.50 at the time of their graduation, "and in addition to the Graduation Fee; and shall be entered in "the University list as privileged to vote, and shall have voting "papers mailed to them by the Secretary."

## § XII. COURSES OF LECTURES.

## *I. ORDINARY COURSE.*

### I. CLASSICAL LITERATURE AND HISTORY.

(Major H. Mills Professorship of Classics.)

Professor, Rev. G. Cornish, M.A., LL.D.

Asst. Prof., A. J. Eaton, M.A., Ph. D.

GREEK.

*First Year.*—Homer.—Iliad, Book XXII. Xenophon.—Cyropaedeia, Book I.

*Second Year.*—Plato.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I-IV.

*Third Year.*—Lysias.—Contra Eratosthenem. Æschylus.—Prometheus Vinctus.

*Fourth Year.*—Æschines.—Contra Ctesiphontem.

LATIN.

*First Year.*—Cicero.—Select Orations. Virgil.—Georgics, Bk. I. Latin Prose Composition.

*Second Year.*—Horace.—Satire, Bk. I, 1 and 6; Bk. II., 6. Sallust.—Jugurthine War. Latin Prose Composition.

*Third Year.*—Juvenal.—Satires VIII. and XIII. Livy.—Book XXI. Latin Prose Composition.

*Fourth Year.*—Tacitus.—Annals, Book I. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages, and to Prosody and Accentuation.

An examination in Greek and Roman History will be required at the close of the First Year.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of Students.

Numbers of lectures in Fourth Year—two weekly, or, at the discretion of the Professor, three.

## 2. ENGLISH LANGUAGE AND LITERATURE.

(Molson Professorship.)

Professor, Chas. E. Moyse, B.A.

Lecturer, Paul T. Lafleur, M.A.

*First Year*—English Language and Literature. Three lectures a week. Until Christmas the work of the class will partly consist of exercises in English Composition. Two lectures a week will be given to the study of English classics. Milton's Comus and a portion of Bacon's Essays have been selected for the Session of 1890-91. After Christmas there will be a course of about thirty lectures on English Literature previous to the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English Writers (Cassell, 1887).*

*Second Year.*—A period of English Literature, and one play of Shakespeare. One Lecture a week before Christmas; two Lectures a week after Christmas. During the Session of 1890-91, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakespeare—A Midsummer Night's Dream. (Clarendon Press Edition)

*Third Year.*—*A.* Chaucer's Prologue to Canterbury Tales. Lecture once a week; Text-book, Chaucer's Prologue, &c., ed. Morris. *B.* Rhetoric Lecture once a week; Text-book, Bain's Rhetoric.

*Fourth Year.*—History. The Lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the discovery of the New World. The use of Prof. Nicol's Tables of European History is recommended.

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## 3. MENTAL AND MORAL PHILOSOPHY.

(John Frothingham Professorship of Mental and Moral Philosophy.)

Professor, Rev. J. Clark Murray, LL.D.

Lecturer, Paul T. Lafleur, M.A.

*Second Year.*—First term.—Elementary Psychology. (Text-book;—Murray's Handbook of Psychology, Book I.) Second Term.—Logic. (Text-book:—Jevons' Elementary Lessons in Logic.)*

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. In the Third and Fourth Year Students are also required to write occasional Essays on Philosophical subjects.

For Additional Courses see Honour Course.

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* The prizes are awarded on the work of the whole Session.

## 4. FRENCH LANGUAGE AND LITERATURE.

Professor, P. J. DAREY, M.A., B.C.L., LLD., Officier d'Académie.

*First Year.*—Darey.—Principes de Grammaire française. LaFontaine.—Choix de fables. Molière.—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Ponsard.—l'Honneur et l'Argent.—Racine. Britannicus. Contanseau.—Précis de littérature française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French:—Dr. Johnson.—Rasselas. Dictation. Parsing. Colloquial exercises.

*Third Year.*—Corneille.—Polyeucte. Cogery.—Third French course. Translation into French:—Johnson.—Rasselas. Dictation. Contanseau.—Précis de littérature française, depuis le XVIIIe siècle jusqu'à nos jours.

*Fourth Year.*—Cogery.—Third French course. Bonnefon.—Les Ecrivains modernes de la France. Translation into French:—Morley.—Ideal Commonwealths. French Composition. Dictation. Corneille.—Polyeucte.

For Additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

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## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer:—P. TOEWS, M.A.

*First Year.*—Vandersmissen's & Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selection from Sections 3-5). Townson, Easy German Stories. Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's German Grammar. Lessing, Minna von Barnhelm; Schiller, Siege of Antwerp. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German Composition. Dictation.

*Fourth Year.*—German Grammar and Composition. Fouqué, Undine; Schiller Wallenstein. Outlines of German Literature:—Gostwick and Harrison (Chapters 15-24).

For Additional courses see Honour Lectures.

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## 6. HEBREW AND ORIENTAL LITERATURE.

Professor, Rev. D. COUSSIRAT, B.A., B.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—Text-books:—Harper's Elements of Hebrew; and Introductory Hebrew Method and Manual.

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from Genesis, Exodus, Deuteronomy.—Exercises.—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation. Reading of the Masoretic notes. *First Part:*—Isaiah; Psalms. *Second Part:*—Job; Ecclesiastes; Proverbs.

The course comprises Lectures on the above Language and its Literature in particular, with a general notice of the other Oriental Languages, ito genius and peculiarities. Comparative Philology, affinity of Roots, &c., also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, &c.

For Additional Courses see Honour Lectures.

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## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(Peter Redpath Professorship of Natural Philosophy).

Professor, Alexander Johnson, M.A., LL.D.

In the ordinary work of the First Year, assistance will be given by G. H. Chandler, M.A., Professor of Practical Mathematics in the Faculty of Applied Science.

*First Year.*—Mathematics.—Arithmetic.—Euclid, Books, 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6); Todhunter's Edition—or Hall and Stevens'; the latter is recommended to Candidates for Honours especially. Colenso's Algebra (Part I.) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—Mathematics.—Arithmetic, Euclid, Algebra, and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

The course for the Intermediate University Examination consists of the Mathematics for the First two years.

*Third Year.*—Mathematical Physics.—Galbraith and Haughton's Mechanics, viz.: *Statics*, First 3 chapters, omitting sec. 5, chapter I., and sec. 21, chapter II.; *Dynamics*, subjects of the First 5 chapters. Galbraith and Haughton's Hydrostatics.

*Additional Department (open to those only who have studied the Mathematical Physics).*—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy, English edition; First three chapters, viz., The Stars and Nebulæ; The Sun; The Solar System). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—Astronomy.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subject will be given before Christmas.

*Third and Fourth Years.*—EXPERIMENTAL PHYSICS.—*Light.*—Theories—Reflection — Refraction — Dispersion — Interference and Diffraction — Double Refraction — Polarization. 2—*Heat*—Dilatation of Solids, Liquids and Gases—Specific and Latent Heat—Radiation and Conduction—Mechanical Theory of Heat. 3—*Electricity*—Statical and Dynamical;—including Electro-Magnetism—Magneto-Electricity—Thermo-Electricity.—Diamagnetism—Electric Measurements—Practical Application to Telegraphy, &c. 4.—*Magnetism.* 5.—*Sound.*—Theory of Undulations—Production and Propagation of Sound—Vibration of Strings, Rods and Plates—Vibrations of Fluids—Musical Sounds. Text-book:—Ganot's Treatise, translated by Atkinson. This course extends over two years.

The subjects for the Session 1890-91 are Electricity, Magnetism and Sound.

The lectures in Mathematical and Experimental Physics will be illustrated by Apparatus, of which the College has a very good collection, including Dynamo and Gas Engine.

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## 8. GEOLOGY, MINERALOGY AND PETROGRAPHY

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor, Sir J. WM. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph.D., F.G.S., Professor of Mineralogy.

FRANK D. ADAMS, M.A.Sc., Lecturer on Petrography and Physical Geology.

*Fourth Year* (1.)—MINERALOGY AND PETROGRAPHY.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

(2.) PHYSICAL GEOLOGY AND STRATIGRAPHY.—Denudation and Origin of Aqueous Deposits; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Origin of Mountains; Field Geology and Construction of Geological Maps and Sections.

(3.) CHRONOLOGICAL GEOLOGY AND PALÆONTOLOGY—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

TEXT-BOOKS.—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

The Geology course is specially fitted to those students who have taken the National Science studies of the previous years, but others are not excluded.

## 9. ZOOLOGY AND PALÆONTOLOGY.

Professor, Sir J. William Dawson, LL.D., F.R.S.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals with recent and fossil examples, taken as far as possible from Canadian species:—the whole with reference to the study of Canadian Animals, recent and fossil. Demonstrations in the Museum. *Text-book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of $20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize collections or duplicates of them to remain in the Museum if required. Candidates must be students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals, or the fossils of one geological system or one definite locality.

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## 10. BOTANY.

Professor:—D. P. Penhallow, B.Sc.

*Second Year.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

*Text-Books*—Gray and Bessey. A book prize will be given by the Professor for the best collections of plants and the greatest proficiency in their determination. The collections will be returned after examination. Candidates must have been Students of Botany in the previous Session.

*Third Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work, each week. Microscopical manipulations, micro-chemical reactions, general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. Special studies in embryology. No Student will be admitted to the Course in the Fourth Year without having followed that for the Third Year.

*Text-books.*—Bower and Vines' Practical Botany. Gœbel's Outlines of Classification and Special Morphology.

*Fee for Additional Course* $10 per session for use of instruments and reagents.

A prize will be awarded to the Student showing the greatest proficiency in the work of the two years.

## 11. CHEMISTRY.

(David J. Greenshields Professorship of Chemistry and Mineralogy.)

Professor:—B. J. Harrington, B.A., Ph.D.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements, and many of their compound , &c. A few Lectures are also devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, &c. During the course attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

Students in Arts may attend the course in Practical Chemistry with the First Year in Applied Science, on payment of a fee of five dollars.

*Text-Book.*—Remsen's Introduction to the study of Chemistry.

*Third Year.*—Additional Department. (*The Chemistry of the Metals or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Thorpe and Muir's Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—Additional Department. A course of Practical Chemistry, in continuation of that of the Third Year.

Note.—New chemical laboratories, capable of accommodating about fifty students, have recently been erected, and afford excellent facilities for practical work.

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## 12. METEOROLOGY.

Superintendent of Observatory, C. H. McLeod, M.A.E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

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## 13. ELOCUTION.

——— Instructor.

Voice culture, including exercises for developing the thorax. Rush's Philosophy of the voice Grouping of speech. Narrative reading and the reading of poetry. Biblical readings. Dramatic reading and declamation. The instructor will make arrangements for hours to suit students.

### 14. GYMNASTICS.

JAMES NAISMITH, B.A., Instructor.

The classes will meet at the University Gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to Students of the Graduating Class, and to students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter. (See Regulations appended.)

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## *II. HONOUR COURSES.*

### 1. CLASSICS.

*Third Year.*-- The Authors to be read in Class, and privately by the Candidate, together with the History and other subjects, are selected at the commencement of the Session, and are divided into *Part I.* and *Part II.*, at the Honour Examination.

*Fourth Year.—Part I.*—(1) *Greek Authors:*—Æschylus, Prometheus Vinctus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Æschines, Contra Ctesiphontem. (2) *Latin Authors:*—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires, V. and VI.; Livy, Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero, De Officiis. (3) *Greek and Latin Prose Composition:*—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1) *Greek*:—Plato Republic, Books I. and II. Aristotle, The Poetics. Herodotus, Book VIII. Thucydides, Books VI. and VII. Hesiod, Works and Days. Æschylus, Seven against Thebes. Aristophanes, The Frogs. Pindar, Olympic Odes. Theocritus, Idylls I. to VI. Demosthenes, De Corona. (2) *Latin*—Livy, Books XXII. and XXIII. Tacitus, Annals, Book I. Tacitus, Histories, Book I. Virgil, Æneid, Books I. to IV. Plautus, Aulularia. Terence, Adelphi. Juvenal, Sat. X. Cicero, De Imperio Cn. Pompeii. (3) *History of Greece and Rome:—Text Books.*—1. Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Donaldson's Theatre of the Greeks. (4) *Composition.*—Composition in Greek and Latin Prose. 5. General Paper on Grammar, History and Antiquities.

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### 2. MENTAL AND MORAL PHILOSOPHY.

THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; Murray's Handbook of Psychology, Book II., Parts 2 and 3; Thomson's Outlines of the Laws of Thought. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*— Cicero's De Officiis—Fraser's Selections from Berkeley.

FOURTH YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 22–45 inclusive; Lorimer's Institutes of Law; Descartes' Method and Meditations; Green's Prolegomena to Ethics; Mill's System of Logic, Book VI. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of Candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

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## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive Spenser.—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Third Year.) Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absalom and Achitophel, Part I.; the Preface to the "Fables." Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

*Part II.*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, vol. II., chap. X., sections V.–X. inclusive; Macaulay, vol. I., chap. I.; Green, History of the English People—(Reigns of Eliz and Chas. II.)

FOURTH YEAR.

*Part I.*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chaps. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year.) Early English; Morris and Skeat, Part II., Extt. X.–XX. inclusive; Shakspere—Love's Labour's Lost—A Midsummer Night's Dream—Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part II.*—Portions of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed. Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth, and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, chaps. L., LI., LXIV., LXV.; Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

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## 4. MATHEMATICS AND PHYSICS.

*First and Second Years* — MATHEMATICS.—Hall and Stevens's Euclid; McDowell's Exercises in Modern Geometry; Hall and Knight's Advanced Algebra; Todhunter's or Burnside and Panton's Theory of Equations (selected course); Hind's Plane and Spherical Trigonometry or Lock's Higher Trigonometry, with McClelland and Preston's Spherical Trigonometry, Part I.; Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13, inclusive; Williamson's Differential and Integral Calculus. (selected course).

*Third Year.*—MATHEMATICAL PHYSICS. Part I.—1. Minchin's Statics, vol. I., selected chapters. 2. Williamson and Tarleton's Dynamics, chaps. 1 to 8 inclusive. Part II.—Remainder of Minchin's Statics, Vol. I. Besant's Hydro-mechanics, Part I., chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

### B. A. HONOUR COURSE.

*Part I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole). PURE MATHEMATICS.—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*—PURE MATHEMATICS.—Boole's Differential Equations (selected course). MECHANICS—Minchin's Statics, vol. II., except chapters 14 and 18. Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a Particle). Routh's Dynamics of a Rigid Body (for reference). Besant's Hydro-mechanics.

PHYSICAL ASTRONOMY.—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9, and 11.

LIGHT.—Lloyd's Wave Theory of Light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity.

HEAT, ACOUSTICS } As in ordinary course.

Engineering Students may be Candidates for Honours.

The above course in each year, and the lecture hours assigned to it in the time table are, subject to alterations or omissions which will be made definitely known to candidates for honours at the beginning of the session.

## 5. GEOLOGY AND NATURAL HISTORY.

### THIRD YEAR.

*Part I. Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of Rocks. (One lecture weekly during First Term, and two during Second.)

*Part II. Blowpipe Analysis and Determinative Mineralogy.*—(One afternoon weekly in the Laboratory during the session.—*Text Book*—Brush's Determinative Mineralogy and Blowpipe.)

Instructions will be given to the class for study and collection in the vacation.

### B. A. HONOUR COURSE.

*Part I.* (1) *Mineralogy.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of Mineralogical Formulæ, Quantivalent Ratios, etc. (Two lectures weekly in the First term.)

(2) *Palæontology*—Being an extension of that of the third year, with special studies of the more important groups of Fossils. (One lecture weekly in the First Term.)

*Part II.* (3) *Petrography.*—Essential and accessory constituents of Rocks. Microscopic and macroscopic characters. Preparation of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture weekly in the Second Term, with additional practical work.)

(4) *Canadian Geology.* Special studies of the Geology of the Dominion Canada. (One lecture weekly in the Second Term.)

(5) *Practical and Applied Geology.*—Including methods of observing and recording geological facts, and searching for mineral deposits—Geology as applied to the Arts. (One lecture weekly in the Second Term.)

*Text-books.*—Dana, Geikie, Dawson, Nicholson, Survey Reports, etc.

Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honours.

### ADDITIONAL DEPARTMENT.

*Third Year.*—Mineralogy as in Part I. above.

*Fourth Year.*—Palæontology and Practical Geology as in parts I. and II. above. Or the Student may take the Lectures in Mineralogy instead of Palæontology, or those in Petrography or Canadian Geology instead of Practical Geology.

## 6. MODERN LANGUAGES.

(French and German, both of which must be taken.)

THIRD YEAR.

*Part I.*—FRENCH.—LA FONTAINE, Les Fables. RACINE, Les Plaideurs. PAUL ALBERT, Littérature du XVIIe siècle. Translation into French :—GOLDSMITH, The Vicar of Wakefield. CORNEILLE, Horace.

GERMAN.—Schiller, Wilhelm Tell. German Prose Composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Courses in French and German must also be taken. See § III.

*Part II.*—FRENCH.—Racine :—Phèdre, Les Plaideurs. Boileau :—L'Art Poétique. Pascal :—Les Pensées. La Bruyère :—Les Caractères. Ampère :—Formation de la Langue française.

GERMAN.—Wieland.—Oberon. History of German Literature ; Gostwick and Harrison, Chaps. I.-V., IX., XIII.

FOURTH YEAR.

*Part I.*—FRENCH. AUG. BRACHET, Grammaire Historique. PAUL ALBERT, La Littérature française, des origines à la fin du XVIe siècle. EMILE SOUVESTRE, Un philosophe sous les toits. Translation into French :—As You Like It.

GERMAN.—Lessing, Nathan der Weise. German Prose Composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs.)

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH. Molière :—Le Misanthrope. Victor Hugo :—Hernani. La Rochefoucauld :—Les Maximes. Dr. C. Saucerotte :—L'Esprit de Montaigne. Auguste Brachet :—Grammaire Historique. Etudes des anciens textes français (Demogeot).

GERMAN.—A special study of Goethe's "Faust" (Part I.). Selections from Heine's Lyrical Poems. Behagel.—Die Deutsche Sprache. Gostwick and Harrison, Chaps. XXV., XXX.

For First and Second Rank Honours the successful Candidates must be capable of speaking and writing both languages.

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## 7. SEMITIC LANGUAGES.

THIRD YEAR.

*Part I.—Hebrew.*—Genesis (the whole book). Isaiah, Chaps 40-66. *Aramaic.*—Daniel. *Syriac.*—The Peshito : St. John, Chaps. 1-5. *Literature.*—Driver's "Uses of the Tenses in Hebrew."

*Part II.—Hebrew.*—Ecclesiastes (the whole Book). Psalms, Books 1 and 2 (1-72). *Aramaic.*—Targum of Onkelos, Genesis, Chaps. 1-10. *Syriac.*—The Peshito,—Romans, Chaps. 1-5. *Literature.*—Davidson's "The Hebrew Text of the Old Testament."

FOURTH YEAR.

*Part I.—Hebrew.*—Proverbs, chaps. 20-31. Job, chaps. 27-42. *Aramaic.*—Ezra. *Syriac.*—The Peshito.—St. John, chaps. 6-15. *Literature.*— Muller's "Outlines of Hebrew Syntax."

*Part II.—Hebrew.*—Deuteronomy (the whole Book). Malachi (id.). *Aramaic.*—Selections from the Targums of Jonathan Ben Uzziel, etc. *Syriac.*—Bar Hebræus: Selections from his Chronicles. *Literature.*—Renan's "A General History of the Semitic Languages."

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*Additional Department:*—(*For Third and Fourth Years.*) *The Aramaic Language:*—Brown's Aramaic Method and Translation. The Aramaic portions of Scripture, Targums of Onkelos and Jonathan Ben Uzziel. *The Syriac Language:*—Grammar, Translation from the Peshito.

# LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

## SESSION OF 1890–91.

| | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | 9 | Classics. | † Mathematics. (*b*) | Mathematics. | † Mathematics. (*b*) | Mathematics. |
| | 10 | Mathematics. | Classics. | Classics. | Classics. | Classics. |
| | 11 | English. | * French. | * French. | * French. | English. |
| | 12 | Elementary Chemistry. | * German. * Hebrew. | English. | * German. * Hebrew. | Elementary Chemistry. |
| SECOND YEAR. | 9 | * French. | Logic. | * French. | * Hebrew. | * French. |
| | 10 | Classics. | * German. Hebrew. | Logic. | Logic. | * German. † Mathematics. |
| | 11 | Mathematics. | Classics. | † Mathematics. Botany. | Classics. | Classics. |
| | 12 | † Mathematics. Botany. | * German. (*c*) | English. (*b*) | * German (*c*) | English. |
| THIRD YEAR. | 9 | English Literature. | Classics. | † Classics. † Math. Phy. | Classics. | †Classics. † English. † Geol. |
| | 10 | † Geology. (*b*) German. † Math. Physics. † Mental Philosophy. | French. † Ment. Phil. | † Anglo-Saxon. Physics (Mathematical). | French. Chemistry. | † Mathematical Physics. * Syriac, etc. |
| | 11 | | Zoology. | Mental Philosophy. | Zoology. | Rhetoric. |
| | 12 | Mental Philosophy. | ⁂ Physics (Experimental). Hebrew. | Classics. | ⁂ Physics (Experimental). Hebrew. | Physics (Mathematical). German. |
| | 1 | | | | | |
| FOURTH YEAR. | 9 | † Math. Physics. † English | Astronomy. (*a*) | † Classics. Geology. | Astronomy. (*a*) | † Classics. |
| | 10 | Geology. | French. † Ment. Phil. German. | English Literature. | † Mental Philosophy. German. History. | Geology. |
| | 11 | Classics. † Geology. | Moral Philosophy. Chaldee. | Classics. | Moral Philosophy. Chaldee. | French. † Geology. Anglo-Saxon and Early English. |
| | 12 | Moral Phil. | ⁂ Physics (Experimental). | † Geology. † Math. Phy. | ⁂ Physics (Experimental). * Hebrew. | German. † Math. Physics. |
| | 1 | | | | | |

(*a*) During First Term. (*b*) Second Term. (*c*) For beginners entering 2nd Year. † For Candidates for Honours
* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew. ⁂ From Nov. 1st.
Classes at 1 p.m. may be changed to other hours.
Library open every day, 9 to 4. The Museum will be opened as arranged by the Principal.
Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m. for 3d and 4th Years; First Year with the Class in applied Science.

# Special Course for Women.

## IN THE FACULTY OF ARTS.

### DONALDA ENDOWMENT.

Professors and Lecturers (as on page 27). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates wear the Academic Dress : others do not.

The *Jane Redpath Exhibition* is open for competition, at the beginning of the First or Second Years, to both men and women.

Another Exhibition (value $100, along with free tuition), is open for competition in the First or Second Year, to students of the Donalda Department only.

One free tuition may be awarded to a candidate who approaches very near to the winner of either of the Exhibitions.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

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### I. MATRICULATION AND ADMISSION.

*Classics.*—I. *Latin.*—Cæsar, Bell. Gall., Book I; and Virgil, Æneid, Book I., lines 1-300; Latin Grammar.

*Greek.*—Xenophon, Anabasis, Book I., Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language, subject to the same regulations throughout the course of four years.

*Mathematics.*—Arithmetic; Algebra to Simple Equations (inclusive); Euclid, Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates unable to take French are not excluded, but will be required to study German after entrance.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made though the Professor of Classics.

PARTIAL STUDENTS.—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

OCCASIONAL STUDENTS.—Ladies desirous of taking one or two Courses of Lectures in the separate classes for women, as Occasional Students, will report their names and the classes they desire to attend to the Lady Superintendent, and may then procure tickets from the Secretary of the University.

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## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In separate classes.*

*First Year.*—Classics; French or German; English Grammar and Literature Pure Mathematics; Elementary Chemistry.

*Second Year*—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics; Botany.

*Third Year.*—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions at the option of the Student, provided two be selected from one division, and one from the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been previously chosen. (*b*) French or German (whichever has been taken in the first two years). (*c*) English and Rhetoric. (*d*) Mental Philosophy.

*II. Science.*—(*e*) Optics and Descriptive Astronomy. (*f*) † Experimental Physics, First Course. (*g*) Natural Science (Zoology).

*Fourth Year.*—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astromomy and Optics; Moral Philosophy; with any three subjects out of the two following divisions at the option of the Student, provided two be selected out of the one division, and one out of the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been taken above. (*b*) French or German, same language as in Third Year (*c*) History.

*II. Science.*—(*d*) Astronomy and Optics, if not chosen as above. (*e*) † Experimental Physics (Second Course). ((*f*) Natural Science (Geology).

† Undergraduates claiming exemption (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the Student in either Third or Fourth Year may select one subject only, together with an additional course in the same or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

Additional courses are provided at present in Botany and Practical Chemistry.

*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional, and open to Occasional Students.

*Elocution.*—Should Students offer, a class for Reading and Elocution will be opened if possible.

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HONOUR COURSES AND ADDITIONAL COURSES.

(*In Mixed Classes.*)

Undergraduates desirous to take one of the Honour Courses in Classics Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Language, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

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## III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D., conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as Fellows.

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## IV. FEES.

*Matriculation Fee* for the First Year, to be paid in the Year of Entrance only ..... $4 00

*Sessional Fee* ..... 20 00

*Library Fee* (optional) ..... 4 00

*Partial Students*, viz., those taking three or more Courses of Lectures, are required to pay the Matriculation Fee, and $5 for each Course which they attend, or $20 for all the Courses.

*Occasional Students.*—$5 for each class.

For Gymnastics $2.50 for the session (optional).

The above Fees are to be paid to the Registrar of the University, from whom Tickets for the Library and copies of the Library Rules may be obtained.

For special fees see section XI, *ante*.

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination).

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal, and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A.A. Examinations, and is recommended by the Commissioners.

For time of payment and other rules regarding Fees, see § XI., *ante*.

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## V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Regis rar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

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## LECTURES OPEN TO OCCASIONAL STUDENTS, SESSION 1890-91.

CHEMISTRY :—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY :—*Prof. Penhallow.* Monday at 3, Wednesday at 12.

ZOOLOGY :—*Sir Wm. Dawson.* Tuesday and Thursday at 12.

GEOLOGY :—*Sir Wm. Dawson and Mr. Adams.* Monday and Friday at 12, Wednesday at 10 a.m.

EXPERIMENTAL PHYSICS :—*Dr. Johnson.* Tuesday and Thursday, at 11 a. m.

PSYCHOLOGY AND LOGIC :—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday at 4 p. m., and Thursday at 12.

MENTAL PHILOSOPHY :—*Rev. Dr. Murray and Mr. Lafleur.* Monday and Wednesday at 4 p. m.

MORAL PHILOSOPHY :—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a.m.

RHETORIC :—*Mr. Lafleur.* Tuesday at 11 a.m.

ENGLISH:—*Prof. Moyse and Mr. Lafleur.* Language and Literature, Tuesday, Wednesday and Friday at 4 p.m. Poets of the 19th Century, Wednesday, 3 p.m. Shakespeare, every alternate Friday at 3 p.m. Chaucer—Monday at 10 a.m.

HISTORY:—*Prof. Moyse.* Thursday at 9 a.m.

LATIN AND GREEK*:—*Rev. Dr. Cornish and Dr. Eaton.*

FRENCH*:—*Dr. Darey.*

GERMAN*:—*Mr. Toews.*

MATHEMATICS AND MATHEMATICAL PHYSICS*:—*Dr. Johnson and Prof. Chandler.*

Those Courses, in which two lectures weekly are delivered, will each amount to about 45 lectures, and the others in proportion.

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* The Lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of students with respect to previous preparation as ascertained by examination.

## FACULTY OF ARTS.

*Ordinary Lectures in the Donalda Special Course for Women.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 12 | | Chemistry. | | Chemistry. | Greek. |
| | 2 | Mathematics. | French. | Mathematics. | French. | Mathematics. |
| | 3 | Latin. | German. | Latin. | Latin. | German. |
| | 4 | Greek. | English. | English. | | English. |
| Second Year. | 10 | Mathematics. | | | | |
| | 11 | Greek. | | Latin. | German. | |
| | 12 | | Latin. | Botany. | Logic. | |
| | 2 | | | | | |
| | 3 | Botany. | French. | English. | French. | English. |
| | 4 | German. | Logic. | Greek. | | Logic. |
| Third Year. | 10 | English. | Classics. | | Classics | French. |
| | 11 | French. | Rhetoric Exp. Physics. | | Exp. Physics. | |
| | 12 | Classics. | Zoology. | Math. Physics. | Zoology. | Math. Physics. |
| | 3 | German. | | | German. | |
| | 4 | Metaphysics. | | Metaphysics. | | |
| Fourth Year. | 9 | Astronomy (*a*) | | | History | |
| | 10 | French. | Classics. | Geology. | | French. |
| | 11 | German. | Exp. Physics. | Astronomy (*a*). | Exp. Physics. | Moral Phil. |
| | 12 | Geology. | Moral Phil. | Moral Phil. | Classics. | Geology. |
| | 2 | | | | | German. |
| | 3 | | | | | |

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

* For Honour Lectures see previous table. Honour Lectures in Mathematics will be given in the First and Second Years at hours to be appointed during the session.

(*a*) During First Term.

# Faculty of Applied Science.

THE PRINCIPAL (*ex-officio*).

Professors :—HARRINGTON, BOVEY, McLEOD, CHANDLER.

Associate Professors :—DAWSON, JOHNSON, DAREY, MOYSE, PENHALLOW.

Associate Lecturers :—LAFLEUR, TOEWS, ADAMS.

Assistants :—TAYLOR, MIDDLETON, HERSEY, FLEMING.

Dean of the Faculty :—HENRY T. BOVEY, M.A., M.INST. C.E.

The Instruction in this Faculty is designed to afford a complete preliminary training, of a technical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Four distinct Departments of study are established, viz. :

(1).—Civil Engineering and Surveying. (2).—Mechanical Engineering (Thomas Workman endowment). (3).—Mining Engineering. (4).—Practical Chemistry.

Each of these extends over four, or, under certain conditions, three years, and is specially adapted to the prospective pursuits of the Student.

The Degrees conferred by the University upon such undergraduates of this Faculty as shall fulfil the conditions and pass the Examinations hereinafter stated, will be, in the first instance, "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and, subsequently, the degrees of "Master of Engineering" or of 'Master of Applied Science." (§ V.)

*Examinations for Land Surveyors :*—Any graduate in the Faculty of Applied Science, in the Department of Civil Engineer-

ing and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Students in the Civil Engineering Department, who have obtained first or second class standing in Mathematics and Surveying at the end of the third year and who at the beginning of their Fourth Year give notice to the Faculty of their intention to prepare for the examination for Dominion Topographical Surveyors, will receive preparation for that examination, more especially in Spherical and Practical Astronomy and Geodesy, and may be exempted from the Heat and Hydraulics, or from the Designing of the Fourth Year.

Partial Students may be admitted to the lectures and examinations in the above special work.

## §I. MATRICULATION AND ADMISSION.

1. Candidates for Matriculation must present themselves for examination on the 16th of September, 1890. They may, however, be admitted at a later period of the Session upon special application, if qualified to take their places in the classes in progress.

JUNIOR MATRICULATION. For entrance into the First Year, two examinations are held;

(1) In the first week in June, when Schools may send their pupils for examination to McGill College.

N.B. Schools at a distance may send to the Secretary of the University the names of Deputy Examiners, together with a list of candidates on or before May 15th, and, if approved, the examination papers will be forwarded to them.

(2) At the opening of the session, on September 16th and following days, in McGill College alone.

The subjects of examination are :—

*Mathematics.*—Arithmetic*; Algebra, to the end of Simple equations; Euclid's Elements, Books I., II., III.

*English.*—Dictation, Grammar (including Analysis) and Composition.

*French.*—Grammar to Syntax (exclusive) and easy translation.

* In September, 1891, and afterwards, a knowledge of the Metric System of weights and measures will be required.

Candidates unable to take the French examination are allowed to enter, but must take German as the Modern language of their undergraduate course.

Candidates who have passed the Associate in Arts examinations in the above subjects will be received as Matriculated Students in the First Year.

SENIOR MATRICULATION. For entrance into the Second Year only one examination is held, viz., on September 16th and following days, in McGill College. The subjects of examination are :—

*Arithmetic.*

*Algebra.*—To the end of Quadratics (as in Colenso's Algebra, Part I).

*Euclid.*—Books, I., II., III., IV., VI., and XI., and the definitions of Book V.

*Plane Trigonometry.*—Including solution of Triangles, and the use of Mathematical Tables.

*Chemistry.*—As in Remsen's Introduction to the Study of Chemistry.

*English.*—Dictation, Grammar (including Analysis), Composition, and the leading facts of the History of England.

*French or German.*—Grammar and easy translation.

Candidates unable to pass in Chemistry may be allowed by the Faculty to enter and take the First Year lectures on Chemistry.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

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## § I. MEDALS, EXHIBITIONS AND PRIZES.

1. The BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for the Session 1890-91 will be open for competition to Fourth Year Students of the Civil Engineering Course. Candidates must take a first-class general standing in the Ordinary Course, and the medal will be awarded to the Student who stands first in the Advanced Course. (§ IV. B.)

2. THE STANLEY SILVER MEDAL (the gift of His Excellency The Right Honorable Lord Stanley.)

The Stanley Medal for the Session 1890-91 will be open for competition to Fourth Year Students of the ordinary course in Mechanical Engineering.

The following Exhibitions and Prizes will be open for competition at the beginning of the session, students being required to notify the Dean of their intention to compete at least one week before the commencement of the examinations :—

3. A British Association Exhibition of $50.00 to Students entering the Fourth Year, the subjects of examination being the Theory of Structures, Mathematics and Mathematical Physis of the Ordinary Course.

4. A Scott Exhibition of $66.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

[*a*] Macaulay's History of England, Vol. I., cap. I ; Scott's Lady of the Lake. [*b*] Mathematics. [*c*] Mechanism.

5. A British Association Exhibition of $50 will be open for competition to Students entering the Second Year, the subjects of Examination being :—

(*a*) Macaulay's History of England, Vol. I., cap. I.; Shakespeare's Tempest ; (*b*) Mathematics.

6. Two Prizes in Books, each of the value of $25, one presented by E. B. Greenshields, B A., and one from the British Association Medal Fund, for the two best Summer Reports or Essays.

7. Two Prizes, one of $15 and one of $10, from the British Association Medal Fund, to Students entering the Third Year, for proficiency in levelling or transit work.

8. A Prize of $25,00 for the best mechanical model, preference being given to one of original design, presented by W. E. Gower, M. Can. Soc. C. E.

9. A Prize of $25.00, from the British Association Medal fund, to Students entering the Second Year, the subjects of examination being :—(*a*).—Inorganic Chemistry ; (*b*).—Elements of Organic Chemistry ; (*c*).—Practical Chemistry.

10. An Exhibition on the Thomas Workman endowment, being an exemption from fees, of the value of $88, to be offered for

competition in the September Matriculation Examination of the First Year, to candidates intending to follow the Mechanical Engineering course. Application as to conditions must be made to the Dean on or before September 1st.

11. Prizes or certificates of merit are given to such Students as take the highest place in the Sessional and Degree Examinations.

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## § III. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees (§ VII.)

2. Undergraduates in Arts may, if allowed by the Faculty of Arts, be admitted to the Professional Classes in Applied Science on payment of the fees for these classes.

3. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

4. Students who have passed the Intermediate in Arts, with standing not lower than Second Class in Mathematics, have the privilege of entering the Second Year in Applied Science, and will be exempted from one of the Departments in the Third and Fourth Years in Arts.

5. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they may have previously attended as Students in Arts, but must pass all the examinations.

6. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental examination is passed, students will not be allowed to proceed to any subsequent examination in that subject.

7. Students of the Second, Third and Fourth Years will be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

8. Students who fail to obtain their Session, and who, in consequence, repeat the Year, will not be exempted from examination in any of those subjects in which they may have previously passed,

except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

9. A Student may obtain a certificate of standing on payment of a fee of $2.00.

10. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical currrent engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings and acquire knowledge of the utmost importance in relation to the practical part of the profession.

## § IV. COURSES OF STUDY.

### A. ORDINARY COURSES.

| Civil Engineering. | Mechanical Engineering. | Mining Engineering. | Practical Chemistry. |
|---|---|---|---|
| **FIRST YEAR.** | | | |
| Arithmetic, Euclid. | Arithmetic, Euclid. | Arithmetic, Euclid. | Arithmetic, Euclid. |
| Algebra. Trigonometry | Algebra. Trigonometry | Algebra. Trigonometry | Algebra. Trigonometry |
| Geometrical Conics. | Geometrical Conics. | Geometrical Conics. | Geometrical Conics. |
| Solid Geometry. | Solid Geometry. | Solid Geometry. | Solid Geometry. |
| Descriptive Geometry (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) | Descriptive Geometry. (By permission of the Faculty.) |
| Freehand Drawing. | Freehand Drawing. | Freehand Drawing. | Freehand Drawing. |
| Chemistry. | Chemistry. | Chemistry. | Chemistry. |
| Sanitation. | Sanitation. | Sanitation. | Sanitation. |
| English. | English. | English. | English. |
| French or German. | French or German. | French or German. | French or German. |
| **SECOND YEAR.** | | | |
| Mechanism. | Mechanism. | Practical Chemistry. | Practical Chemistry. |
| Materials. | Materials | Mechanism. | |
| Surveying. | Surveying. | Surveying. | |
| Descriptive Geometry. | Descriptive Geometry. | Descriptive Geometry. | Descriptive Geometry. |
| Algebra. | Algebra. | Algebra. | |
| Analytical Geometry. | Analytical Geometry. | Analytical Geometry. | |
| Calculus. | Calculus. | Calculus. | |
| Mathematical Physics. | Mathematical Physics. | Mathematical Physics. | Mathematical Physics. |
| Experimental Physics. | Experimental Physics. | Experimental Physics. | Experimental Physics. |
| | Marine Engines. | | |
| Zoology. | Mechanical Work. | Zoology. | Botany. |
| English. | English. | English. | English. |
| French or German. | French or German. | French or German. | French or German. |
| **THIRD YEAR.** | | | |
| Theory of Structures. | Theory of Structures. | Theory of Structures. | Practical Chemistry. |
| Materials. | Materials. | Materials. | Theoretical Chemistry. |
| Surveying. | Machinery & Millwork | Mining. | |
| | Loco. Design & Cons. | | Blowpipe Analysis. |
| Descriptive Geometry. | Descriptive Geometry. | Practical Chemistry. | Mineralogy. |
| Analytical Geometry. | Analytical Geometry. | Blowpipe Analysis. | |
| Calculus | Calculus | Descriptive Geometry. | |
| Sphl. Trigonometry. | | Analytical Geometry. | |
| Practical Astronomy. | | Calculus. | |
| Mathematical Physics. | Mathematical Physics. | Mathematical Physics. | Mathematical Physics. |
| Experimental Physics. | Experimental Physics. | Experimental Physics. | Experimental Physics |
| Geology & Mineralogy. | Mechanical Work. | Geology & Mineralogy | Zoology. |
| Modern Languages.* | Modern Languages.* | Modern Languages.* | Modern Languages.* |
| **FOURTH YEAR.** | | | |
| Theory of Structures. | Theory of Structures. | Assaying. | Practical Chemistry. |
| Mathematics. | Mathematics. | Mathematics. | Theoretical Chemistry. |
| | Machinery & Millwork | Metallurgy. | Metallurgy. |
| | Materials. | Geology (advanced). | Assaying. |
| | Loco. Design & Cons | Mineralogy (advanced.) | Mineralogy |
| Heat & Heat-Engines. | Heat & Heat-Engines. | Heat & Heat-Engines. | Geology. |
| Hydraulics. | Hydraulics. | Hydraulics. | |
| Materials. | Materials. | Materials. | |
| Designs. | Designs. | Designs. | |
| Estimates. Spec'ns. | Estimates. Spec'ns. | Estimates. Spec'ns. | |
| Modern Languages.* | Modern Languages.* | Modern Languages.* | Modern Languages.* |

(1) During the summer recess the Students in the 2nd, 3rd and 4th years are to employ themselves in some practical work (Mechanical Engineering students in a work-shop), and they are also to prepare a report on such work, to be handed in not later than October 1st. Credit will be given for this Report (or Essay) in the subsequent Sessional Examinations.

(2) Students are not allowed to take subjects which do not form part of their course, without the sanction of the Faculty.

* Modern languages not imperative in the Third and Fourth Years.

## B. ADVANCED COURSES.

1. CIVIL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics (*Strength of Materials, Theory of Structures, Heat and Heat Engines, Hydraulics*).

2. MECHANICAL ENGINEERING.—The higher Mathematics and Mathematical Physics, and the higher branches of Applied Mechanics. (*Strength of Materials, Dynamics of Machines, Heat and Heat Engines*).

3. MINING ENGINEERING.—Study of Ore-Deposits (as in Phillips). Metallurgy. Theory and practice of Metal-Mining and Ore-Dressing. Special work in mineral analysis, with an Essay thereon.

4. CHEMISTRY.—Organic Chemistry, Industrial Chemistry, Mineralogy and special laboratory work with an Essay.

N. B.—A Student will not be allowed to take rank in an Advanced Course unless he has obtained a first class general standing in the Ordinary Course of the same Department.

The Advanced Courses in the Departments of Civil and Mechanical Engineering extend over two years. Students who have passed a creditable examination in the Mathematics of the Second Year may take these Courses.

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## § V. EXAMINATIONS.

### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

#### 1. CHRISTMAS AND SESSIONAL EXAMINATIONS.

There will be a Christmas Examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A Sessional Examination in all the subjects will be held at the end of the First and Second Years.

#### 2. DEGREE EXAMINATIONS.

(*a*) There will be a Primary Examination at the end of the Third Year in all the subjects of that year. Candidates must pass this Examination before entering the Final Year.

(*b*) There will be a Final Examination for the degree of Bachelor of Applied Science at the end of the Fourth Year in all the subjects of that year.

The General Classification for the Degree Examination will be under two heads, viz. :

First, those who have satisfied the Examiners in the Advanced Courses, in order of merit.

Secondly, those who have satisfied the Examiners in the Ordinary Courses in order of merit.

Special Certificates may be given for proficiency in particular subjects.

Certificates may be given to Students who have passed the Special Courses added to the curriculum.

Students who take their Degree in one of the Courses provided by the Faculty of Applied Science may obtain credit in either of the remaining Courses, by attending one or more subsequent sessions the necessary provisions for which will be made.

II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Mechanical, or Mining Branch of Engineering.

They must pass with credit an Examination extending over the general Theory and Practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for Examinations, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the Examination.

III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an Examination on the Theory and Practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading.

## § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

## § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the Library and Museum as Undergraduates in Arts.

## § VIII. FEES.

N.B. FOR FEES OF NEW STUDENTS SEE "SPECIAL ANNOUNCEMENT."

*In the Course of Civil Engineering.* $45 ; Library, $4. In all $49 for each Session.

*In the Course of Mechanical Engineering.*—$45 ; Library, $4. In all $49 for each Session.

*In the Course of Mining Engineering.*—$55 ; Library, $4. In all $59 for each Session.

*In the Course of Chemistry.*—$55 ; Library, $4. In all $59 for each Session.

*Fee for Degree of Bachelor of Applied Science,* (including the Registration fee) $12.50.

*Fee for Degree of Master of Engineering or Master of Applied Science*—$25.

If for any Special reason the Degree of Ma. E. or M.A. Sc. be granted *in absentia* the fee will be $40.

The fees must be paid to the Secretary, and the tickets shown to the Dean within a fortnight after the commencement of attendance in each Session. In case of default, the student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty on payment of a fine of $1.

The B. A. Sc. fee must be paid before the final Examinations.

Laboratory Students are required to purchase their own chemicals, &c. The larger articles of apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Partial students may be admitted to the Professional Classes in any year by payment of the ordinary fees for that year ; or they may attend the lectures on any subject by payment of a special fee.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Students taking Blowpipe Analysis, when it does not form part of their course, are required to pay a fee $5.

Partial Students may attend the course of Instruction in Meteorology on paying a fee of $5.

## § IX. COURSES OF LECTURES.

*Note.*—Extensive changes in the technical courses will be made before the beginning of the session. See Special Announcement.

### I. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor :—HENRY T. BOVEY, M.A., M.INST.C.E. (William Scott Professor of Civil Engineering.)

*Civil Engineering.*

The course of instruction in Civil Engineering will include the following :—Mechanism, Earthwork, Masonry, Carpentry, Structures of Timber, Stone and Iron, the Construction of Common Roads, Rail Roads, Bridges, Viaducts, Tunnels, Canals, River, Harbour and Sea Works, Drainage Works, Lighthouses, Works connected with Irrigation and Water Supply, etc.

*Applied Mechanics.*

The subject of Applied Mechanics will be treated under two heads :—

(*a*) The Strength of Materials, embracing a study of Work, Inertia, Energy and Entropy, Strength, the Stiffness, and Resilience of Materials, Beams or Girders, Pillars, Shafts, Structures (*simple and complex*), Earthwork, Retaining Walls and Arches.

(*b*) Hydraulics, comprising the Theory of Hydrostatics and Hydrodynamics, the Flow of Liquids through Orifices, Pipes and Canals, the Action of a Stream on inclined or curved Vanes (*fixed or revolving*), Hydraulic Machines *Pressure Engines, Vertical Water Wheels, Turbines, Centrifugal Pumps*), Pneumatics.

*Heat and Heat-Engines.*

The course of instruction in this Department will embrace :—General Description of the Steam Engine, the Theory of Heat, the Application of Heat to Thermal Machines, the production of Heat and Steam, and also :—

(*a*) The movement and distribution of Steam, including the action of Steam in a Cylinder, the methods and regulations of the distribution of Steam, Systems of Cut-off, the general disposition of Cylinders, Condensers, &c,

(*b*) The modes of transmission and a consideration of certain special machines.

(*c*) The construction of an Engine, under which head will be considered Rivets, Bolts, Screws Sockets, Keys, Cylinders, Pistons, Organs of Distribution, Organs of Transmission.

(*d*) The construction of Special Machines.

*Designs, Estimates.*

Engineering Students will also prepare designs, specifications, and estimates of such works as are usually undertaken by the Engineer.

Each Student works independently, under the personal supervision of the Professor of Engineering, and makes such drawings and caculations as would be needed were the structure designed to be actually carried out.

SANITATION.

Mr. R. P. Fleming, M. Can. Soc. C. E., Engineer to the Montreal Sanitary Association, will deliver a series of lectures at 8 p.m. on Tuesdays, on the following:—

*House Drainage.* External and Internal Drains (size, grade, materials, laying, jointing, and flushing). Ventilation of Drains (different kinds of traps, merits and demerits, &c). Soil and Waste Pipes (materials, joints, ventilation &c). Fixtures, traps, tests (different kinds, their merits and demerits). Different systems of house drainage. Flushing Tanks. Methods of examining existing systems of drainage and of remodelling them should they be found defective illustrated hy practical examinations.

*Ventilation.*—Natural and mechanical. Principles and merits of various systems. Methods of caculation &c.

*Damp.*—French drains for removal of surface water.

Medical and Partial Students will be admitted to the lectures on Sanitation on payment of a fee of $6.

Students in Applied Science may attend the course of lectures on Hygiene in the Medical Faculty, on payment of a fee of $6.

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## II. MECHANICAL ENGINEERING.

(*In the Thomas Workman Department.*)

Professors:— HENRY T. BOVEY, M.A., M.I.M.E.
C. H. MCLEOD, MA.E., M.CAN.SOC.C.E.

(A Professor of Mechanical Engineering will be appointed before the opening of the Session.)

*Mechanism.*

The lectures on Mechanism will treat of:—The object and structure of a machine, conversion and modification of motion, aggregation of motion, velocity ratios, linkwork, the teeth of wheels and trains of wheels, indicator diagrams and measurement of H. P., escapements, connections, various elementary combinations. Shop visitation by the class.

*Theory of Machines.*

This Branch will comprise :—

(*a*) *The transmission of work*, including the measurement of work, the efficiency of machines, dynamical friction, viscosity, and the methods of transmitting work (*by continuous rotation, oscillation, belts, water, and compressed air.*)

(*b*) *The modification of Work and Stores of Energy*, embracing a study of the actual energy of moving pieces, springs and weights.

(*c*) *Governing and controlling Machines*, including a consideration of uniform effort, variable resistance, machines driven by fluid pressure, differential governors.

(*d*) *Balancing Machinery.*

*Mechanical Work.*

A course of lectures will be given on the following specific Departments of Mechanical Engineering, and will treat entirely of the principles and results of actual practice :—The different classes of machinery, Belts, Gearing, Forging, Hammers, the Tempering of Steel Tools, Vice-work, Fitting and Finishing, Lathes and Lathe-work, Planing, Slotting and Shaping Machines, Boring and Drilling, Milling and Milling tools, Screw cutting, the Slide-valve, Standard Measures, Gauging Implements, Rivetted Joints, Fastenings, Pipes and Cylinders, Journals, Bearing, Shafting, Linkwork, Pistons and Stuffing Boxes, Lubricators, Moulding and Founding.

Students before obtaining their degree in this course must present certificates of having been employed for ar least eight months in Mechanical work-shops.

ENGINE DESIGN AND CONSTRUCTION.

SECOND, THIRD, AND FOURTH YEARS :—Session 1890-91.

Mr. T. Middleton, M. Can. Soc. C. E., Mechanical Engineer, will give a course of lectures on the design and construction of Compound and Triple Expansion Marine Engines and Boilers, including radial Valve gears.

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## III. MINING ENGINEERING.

Professor :—B. J. HARRINGTON, B A., PH.D.

The object of this course is to give Students a knowledge of the characters and modes of occurence of various economic minerals, together with the methods employed for their extraction and subsequent treatment.

The lectures on Mining are given during the Third Year, and among the subjects taken up the following may be mentioned :—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring; the Sinking, Timbering and Tubbing of Shafts ; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous

Deposits or of Coal Seams, &c. During this year, also, instruction is given in Blowpipe Analysis, the object of which is to enable Students by means of the blowpipe and a few simple re-agents to detect the nature of different Minerals or Ores. On account of the small quantity of apparatus required, and the rapidity with which accurate results may be arrived at, a knowledge of this subject will be found most useful to those engaged in geological or other field-work.

In the Fourth Year a short course of lectures on Metallurgy is given, and assays are made of various Ores, Fuels, &c.

NOTE.—The lectures on Mining and Metallurgy are illustrated by a series of Models.

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## IV. DESCRIPTIVE GEOMETRY AND SURVEYING.

Professor:—C. H. McLEOD, MA.E.

### *Descriptive Geometry.*

SECOND YEAR.—(1).—Linear Drawing. (2).—Orthographic projection, including penetrations, developments, sections, etc. (3).—Problems on the straight line and plane. (4).—Isometric projection.

THIRD YEAR.—(1) The projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Graphical determination of spherical triangles. (2)—Spherical projections, including the construction of maps. (3).—Axometric projection. (4).—Shades and shadows. 5).—Mathematical perspective. Perspective of shades and shadows.

### *Surveying*

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in field engineering.

SECOND YEAR.—Chain Surveying, Angular Surveying. The use and adjustment of the Transit, Theodolite, Level (Dumpy, Y, and other forms), Sextant, Aneroid Barometer, Plane-table and other field instruments. Contour Surveying, Underground Surveying. Plotting. Practical operations in the field and Class-room. Calculating areas.

THIRD YEAR.—Topography, Review of Instruments, Methods of Setting out Work and Curves. Geodesic Levelling, Indirect and Barometic Levelling, Hydrographic Surveying, Geodetic Surveying. The Astronomical Transit and Determination of time. Practical operations in the field, class-room and observatory.

NOTE.—The field work is carried out under the personal supervision of the Professor, and is as follows:—(*a*) a chain survey, (*b*) an angular survey, (*c*) a contour survey, (*d*) the location of a line of road, including preliminary surveys, ranging curves, levelling and settting out the work, (*e*) a hydrographic survey. Each student is required to make field notes, and from these to plot all plans and sections required in connection with the above.

At the close of the sessional examinations there is also an optional course for the 3rd year in astronomical observations and triangulations. The former includes latitude, longitude (by lunar culminations), azimuth and time.

FREEHAND AND MODEL DRAWING.

FIRST YEAR.—Instruction in Freehand and Model Drawing will be given by Mr. A. T. Taylor, F.R.I.B.A.

Students in Arts may attend the classes in Freehand Drawing on payment of a fee of $1 per term.

## V. CHEMISTRY AND ASSAYING.

Professor:—B. J. HARRINGTON, B.A., PH.D. (Greenshields Professor of Chemistry and Mineralogy.)

Assistant:—M. L. HERSEY.

A course of Lectures, illustrated by experiments, is given to all Students of the First Year in Applied Science on the Laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important non-metallic and metallic Elements and many of their Compounds, and on the elementary principles of Organic Chemistry. Students taking these lectures must also devote one afternoon a week during the first term, and two afternoons a week during the second term, to practical work in the laboratory.

In the Second and Third Years of the Mining Course, instruction will be given in Qualitative and Quantitative Analysis, and Chemistry Students of these years will attend a Course of lectures on either Organic Chemistry or the Chemistry of the metals. In the Fourth Year, Mining Students will devote themselves chiefly to Mineral Analysis and Assaying, while Practical Chemistry Students may substitute Organic Analysis and the preparation of Organic Compounds for these subjects.

The laboratory is open daily (Saturdays excepted) from 9 a.m. to 1 p.m., and from 2 to 5 p.m.

## VI. GEOLOGY AND MINERALOGY.

Professor:—SIR WILLIAM DAWSON, LL.D., F.R.S. (Logan Professor of Geology).

Professor:—B. J. HARRINGTON, B.A., PH.D., F.G.S.

Lecturer.—FRANK D. ADAMS, M.A.Sc.

SECOND YEAR.—A preliminary Course in Zoology, with special reference to Fossil Animals.

THIRD YEAR.—Mineralogy (Ordinary and Honour), Petrography, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

FOURTH YEAR.—Special Studies in Mineralogy and Petrography; Advanced Course in General Geology and Palæontology; Geology of Canada; Practical Geology and Field-work.

For further details see Announcement of the Faculty of Arts.

NOTE. Students of the Mining and Chemistry courses take the Honour Mineralogy of the Third Year. Mining Students take the whole (Honour) course of the Fourth year. Chemistry Students take, in addition to the ordinary course in Geology, only the Honour Mineralogy of the Fourth Year.

## VII. BOTANY.

Professor:—D. P. PENHALLOW, B.Sc.

*Course.*— General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

## VIII. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor:—G. H. CHANDLER, M.A.

The lectures in this course are specially designed to meet the requirements of Students of Applied Science; those in Mechanics being introductory to Applied Mechanics. The subjects are as follows:—

FIRST YEAR:—(1) Euclid, six books. (2) Loci, Transversals, &c. (3) Algebra, to Progession. (4) Plane Trigonometry and the use of Mathematical Tables. (5) Elements of Solid Geometry. (6) Geometrical Conic Sections.

SECOND YEAR.—(1) Algebra continued. (2) Analytical Geometry. (3) Differential and Integral Calculus. (4) Mechanics.

THIRD YEAR.—(1) Mechanics continued. (2) Spherical Trigonometry. (3) Spherical and Practical Astronomy. (4) Revision and continuation of Analytical Geometry and Calculus, with applications to Mechanics, &c.

FOURTH YEAR.—Revision of Analytical Geometry and Calculus.

## IX. EXPERIMENTAL PHYSICS.

Professor:—ALEXANDER JOHNSON, LL.D. (Peter Redpath Professor of Natural Philosophy.)

Students in this Faculty are required to take the course in Experimental Physics provided by the Faculty of Arts.

The subjects for the Session 1890–91 are Electricity, Magnetism and Sound.

## X. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR:—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature.)

Lecturer.—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

THIRD YEAR.—A special course on English Composition.

## XI. FRENCH OR GERMAN.

*French.*—Professor.—P. J. DAREY, LL.D., B.C.L.

*German.*—Lecturer.—P. TOEWS, M.A.

Students of this Faculty are required to take the course in one of these languages provided by the Faculty of Arts.

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## XII. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

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## § X. TEXT BOOKS.

*Applied Mechanics:*—Bovey, Cotterill, *Rankine, *Collignon, *Weisbach, Reuleaux.

*Hydraulics:*—Merriman, *Weisbach.

*Machinery, etc.:*—Goodeve (new edition), *Willis, Rankine, Kennedy, *Knight, Rose, *Shelley, *Fairbairn, Unwin.

*Heat and Heat Engines:*—Holmes, *Jamieson, *Maxwell, Tait, Wilson, Rankine, Rigg, Marks.

*Moulding and Founding:*—Overman.

*Materials:*—Notes on Building Construction, *Gilmore, Thurston.

*Descriptive Geometry:*—Millar's Descriptive Geometry.

*Surveying:*—Gillespie's Land Surveying (new edition). Johnson's Surveying.

*Geology:*—Dana's Geology; Dawson's Handbook of Zoology and Lecture Notes on Geology, *Nicholson's Palæontology, *Geological Survey Reports, *Dawson's Acadian Geology.

*Mineralogy:*—Dana's Manual, *Dana's Descriptive Mineralogy.

*Blowpipe Analysis:*—Brush's Determinative Mineralogy and Blowpipe.

*Botany:*—Gray and Bessey.

*Chemistry:*—Remsen's Introduction to the Study of Chemistry (First Year), Remsen's Compounds of Carbon, Thorpe & Muir's Qualitative Chemical Analysis, Fresenius' Manuals of Qualitative and Quantitative Analysis, *Watt's Dictionary of Chemistry, *Roscoe & Schorlemmer's Treatise on Chemistry.

*Metallurgy:*—Greenwood's Manual of Metallurgy.

*Assaying:*—Rickett's Notes on Assaying, Chapman's Assay Notes.

*Mathematics:*—Todhunter's Euclid, Colenso's Algebra (Part 1), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Briggs's Analytic Geometry, Peck's Calculus, Goodeve's Principles of Mechanics, Chambers' Practical Mathematics, Chambers' Mathematical Tables.

* *Books of Reference.*

## TABLE OF LECTURES.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 9 | | Drawing. | Mathematics. | Mathematics. | Mathematics. |
| | 10 | Mathematics. | Mathematics. | | | |
| | 11 | English. | French. | French. | French. | English. |
| | 12 | Chemistry. | German. | English. | German. | Chemistry. |
| | 2 | | Pract. Chem. (2nd. Term). | * Freehand Drawing. | | Pract. Chem. |
| | 3 | | Do | Do | | Do. |
| Second Year. | 9 | French. | Drawing. | French. | | French. |
| | 10 | Mechanism. | German. | Mechanism. | { Theor. Chem. { Mathematics. | German. |
| | 11 | Mathematics. | Zoology. | Mathematics. Botany. † | Zoology. | Mathematics. |
| | 12 | Botany. † | Exp. Physics. | | Exp. Physics. | English. |
| | 2 | Pract. Chem. Drawing. | Surveying. | Pract. Chem. ‡ Drawing. | Drawing. Pract. Chem. | Surveying. |
| | 3 | Drawing. | Drawing. | ‡ Drawing. | Do | Drawing. |
| | 4 | Mech. Work Drawing. | Do | Do | Do | Do. |
| Third Year. | 9 | Mathematics. | Mathematics. | Machinery. Geology. | Theory of Structures. | Mineralgy. |
| | 10 | Geology. | French. | Mathematics. | French. Theor. Chem. | Geology. |
| | 11 | Machines. | English. | | Theory of Structures. (Advanced). | |
| | 12 | Theory of Structures. | Exp. Physics. | | Exp. Physics. | |
| | 2 | Surveying. Pract Chem. | Theory of Structures. Pract. Chem. | { Blowpipe. { Analysis. | Pract. Chem. Surveying. | Pract. Chem. Drawing. |
| | 3 | Drawing. | Drawing. | | Drawing. | Drawing. |
| | 4 | Mech. Work. Drawing. | Drawing. Mining. | | Drawing. | Do. |

* The Freehand Drawing Class is also held from 9 to 11 on Saturdays.

† For Practical Chemistry Students.

‡ For Mining Students.

**TABLE OF LECTURES**—(*Continued.*)

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FOURTH YEAR. | 9 | Mathematics. | Designing. Mathematics. | Designing. | Theory of Structures. | Designing. |
| | 10 | Theory of Structures. | Designing. | Do | Machines. | Designing. |
| | 11 | Machines. Geology.** | Do | | Theory of Structures. | Geology.** |
| | 12 | Theory of Structures. | Do | Geology. ** | Theory of Structures. (Advanced) | |
| | 2 | Pract. Chem. Assaying. Designing. | Theory of Structures. Pract. Chem. | Pract. Chem. | Pract. Chem. Assaying. Designing | Hydraulics.(*a*) Steam. (*a*) |
| | 3 | Do | Hydraulics. (*a*) Steam. (*a*) | Do | Do | |
| | 4 | Do | Do | Do | Do | |

** For Mining and Chemistry Students. (*a*) Steam during first term; Hydraulics during Second year.

Field work for Students of the Second year on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays; for Students of the Third year on Mondays, Wednesdays, Thursdays and Fridays during the months of September and October.

## SPECIAL ANNOUNCEMENT.

Large Engineering Laboratories, fully equipped with apparatus and extensive workshops, are now in course of erection, a full description of which will be given in a separate announcement, which may be obtained from the Secretary of the University. In consequence of the greatly increased facilities for the prosecution of a thorough education in all departments of Applied Science, the fees of all students entering in September, 1890, or afterwards, will be $100 per annum, this amount to include matriculation, tuition, gymnasium, library and graduation fees, and also the use of the machinery and other apparatus as well as the cost of material in the workshops and engineering laboratories. Students who are already in attendance may obtain all privileges connected with the new buildings, etc., on payment of special fees, which will be announced in due course.

# Faculty of Medicine.

THE PRINCIPAL (*ex-officio*).

*Professors:*

| | | |
|---|---|---|
| WRIGHT, | ROSS, | WILKINS, |
| MACCALLUM, | RODDICK, | PENHALLOW, |
| CRAIK, | GARDNER, | MACDONNELL, |
| FENWICK, | SHEPHERD, | MILLS, |
| GIRDWOOD, | BULLER, | CAMERON, |
| | STEWART. | |

*Dean.*—R. CRAIK, M.D.
*Vice-Dean.*—GEORGE ROSS, M.D.
*Registrar.*—J. STEWART, M.D.
*Librarian.*—F. J. SHEPHERD, M.D.

The Fifty-Eighth Session of this Faculty will be opened on Wednesday, October 1st, 1890, by an introductory lecture at 3 p.m. The regular lectures will begin on October 2nd, at the hours specified in the time-table, and will be continued for six months.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfilment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students, and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased.

The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the students, no reasonable expense has been spared.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments,—kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of students assisting at and taking part in these demonstrations. During the past session important additions have been made to the physiological laboratory.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus especially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each student without extra charge.

The student is only required to pay for apparatus broken or destroyed.

In the Pathological Laboratory accommodation will be provided for students or practitioners who desire to carry on private pathological research.

The recent additions made to the laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose, including sterilizer, thermostat, etc., etc.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemption in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.

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## § I. MATRICULATION.

It is very important that intending Students should note the following facts and regulations:—

(1.) If residents of Ontario, and desirous of obtaining the license of that Province, they must conform to the regulations regarding the Preliminary Examination, and register before beginning their medical studies.

(2) If residents of the Province of Quebec, and desirous of obtaining the license of that Province, they must pass the Matriculation Examination of the Quebec Medical Board before beginning their medical studies.

In the event of a resident in the Province of Quebec producing a Certificate of Matriculation from any of the other Provinces of the Dominion, he will be required to make a declaration that he had not obtained it with the object of avoiding the examination of the Quebec Medical Board.

(3) Residents of the Maritime Provinces, Manitoba or British Columbia may either pass the Preliminary Examination of their respective Medical Boards or the Matriculation Examination of this University.

(A).—UNIVERSITY MATRICULATION EXAMINATION.

The Preliminary Examination in General Education of the following Bodies is accepted by the University in lieu of its own Matriculation Examination :

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

Graduates and Matriculates in Arts of all recognized Universities are exempt from examination. Any student who is unable to present proof of having passed any one of the above, or other equally satisfactory examination, will be required to undergo the matriculation examination either in Arts or Medicine of this University. These examinations are as follows :

(1) *The Matriculation Examination in Arts* is held twice yearly on the 1st of June and following days, and on the 17th of September and following days.

Papers for the June examination can be sent to local centres on application to the secretary of the University, the September examinations are held in Montreal only.

The subjects for examination are Classics, Mathematics and English.

*Greek.*—Xenophon, Anabasis, Book I. ; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall., Book I. ; and Virgil, Æneid, Book I., lines 1-300 ; Latin Grammar.

*Mathematics.*—Arithmetic ; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

An equivalent amount of other books or other authors in Latin or Greek than those named may be accepted in the September examination, on application through the Professor of Classics.

(2) *The Medical Matriculation Examination* is the same as that required by the Medical Council of Great Britain.

This Examination will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Application may be made to Dr. Howe, the Examiner, till the evening of the previous day. The requirements of the Standard for Matriculation are:—(1) English Language, including Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original and Grammar. (5) Elements of Mathematics, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions; (*b*) Algebra, including simple Equations; (*c*) Geometry, including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects:—(*a*) Greek, (*b*) French, (*c*) German, (*d*) Italian, (*e*) any other modern language, (*f*) Logic, (*g*) Botany, (*h*) Elementary Chemistry.

TEXT BOOKS.—Latin, Cicero, in Catilinam II.; or Virgil, Æneid, Bk. I.

GREEK.—Xenophon, Anabasis, Bk. I., or Homer's Iliad, Bk. IV.

FRENCH.—Voltaire's Charles XII., Two Books.

NATURAL PHILOSOPHY.—Ganot's Physics, the Chapters on Statics, Dynamics, Hydrostatics and Heat.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliot's Manual.

### (B).—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF QUEBEC.

Graduates in arts of any British or Canadian University are exempted from this examination on presentation of their Diplomas.

LATIN.—Cæsar's Commentaries, Bks. I., II., III., IV.—Virgil's Æneid, Bks. I. and II.—The Odes of Horace, Bk. III.

ENGLISH.—A play of Shakespeare, viz., "Richard III.," for 1890, "Henry IV.," Part I. for 1891; "Henry IV.," Pt. II. for 1892.

FRENCH—Fénélon's "Aventures de Télémaque"—Translations into French of easy English extracts.

BELLES LETTRES AND RHETORIC.—Principles of the subject. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, the 17th and 18th centuries of England and France.

HISTORY.—Outlines of the History of Greece and Rome, with particular knowledge of England, France and Canada.

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GEOGRAPHY.—A general view, with particular knowledge of England, France and North America.

ARITHMETIC.—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

ALGEBRA.—Must include Fractions and Simultaneous Equations of the First Degree.

GEOMETRY.—Euclid, Books, I., II., III., and VI., or the portion of Plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes of regular geometrical figures.

*Optional Subjects.*

GREEK.—Xenophon's Anabasis, Book I.—Homer's Iliad, Book I., with Greek Grammar.

PHYSICS.—Outlines of the subject, as in Ganot's Physics, translated by Atkinson.

PHILOSOPHY.—Elements of Logic and of Moral Philosophy, as in Jevon's Logic and Calderwood's Handbook of Moral Philosophy.

The Examinations will be held upon the 18th of September, 1890, at Quebec, and on the 7th of May, 1890, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text-books and percentage of marks to be obtained.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

### (C.)—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.

Every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the 2nd class Teachers' examination, with Latin option; whereupon he shall be entitled to be so registered, upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications, and upon paying the fee of twenty dollars.

## § II.—ENREGISTRATION.

*The following are the University Regulations :—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance at the time of enregistration.

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## § III.—COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to the members of the class to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

### PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

The course in practical chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in

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chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, etc., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticised.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

*Laboratory work for Senior Students.*

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, inve tigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc. There will be no extra fee for this part of the course.

## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, JAMES STEWART.

The course on this subject comprises:

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital, on some case or groups of cases well adapted for illus-

trating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the out-door clinics. Electro Therapeutics will also be dealt with in this part of the course.

III. The attendance during the summer session of a course on Practical Materia Medica.

## MEDICINE.

PROFESSOR, GEORGE ROSS.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general* laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

## CLINICAL MEDICINE.

PROFESSOR, R. L. MACDONNELL.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with the 3rd year students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and every pupil is required to take part in the physical examination of patients. The mode of conducting investigations, the use of the microscope, the value of the thermometer and ophthalmoscope, etc., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

## SURGERY.

PROFESSOR, THOMAS G. RODDICK.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist, and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn

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to cases which have been observed by the class during the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

## CLINICAL SURGERY.

PROFESSOR RODDICK.

LECTURER, JAMES BELL.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticised, and fresh cases are examined by the senior students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, etc. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

This course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc. 2. Bedside instruction in the Montreal Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

Particular attention is given to clinical instruction, and a clinical examination in Midwifery similar to that held in Medicine and Surgery now forms part of the final examination.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment;

Pelvic Cellulitis and Peritonitis ; Lacerations of the Cervix Uteri and Perineum ; Urinary and Fæcal Fistulæ ; Inflammations of the Uterus ; Displacements of the Uterus ; Tumors of the Uterus ; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

Particular attention is given to clinical instruction, and a clinical examination in gynæcology similar to that held in Medicine and Surgery now forms part of the final examination.

## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for shewing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

## OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on disease of the Eye and the Ear, both Didactic and Clinical. In the former, the general principles of diagnosis and treatment will be dealt with ; in the latter, cases illustrative of the typical form of ordinary diseases of these organs will be exhibited and explained to the class, and afterward placed under the special care of gentlemen who may show themselves competent to take charge of them. A course of Operations on the cadaver will be open to such students as may wish to avail themselves of the same.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies ; conditions of Soil and Water as affecting health, including Drainage and the various methods



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for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, etc., Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.*

## BOTANY.

PROFESSOR, D. P. PENHALLOW.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collection, models and apparatus in the Peter Redpath Museum.†

## ZOOLOGY.

PROFESSOR, SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples, and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum, and to the Museum of the Natural History Society of Montreal.

## PATHOLOGY.

DEMONSTRATOR, W. G. JOHNSTON.

*This Course comprises:—*

1. Twenty-five lectures on General Pathology to Students of the third year.

2. Weekly Pathological Demonstrations to Students of the third year. The gross and microscopic appearances of specimens collected during the week are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post-mortems are performed by the

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* Students may attend the Lectures on Sanitation in the Faculty of Applied Science:—Fee $6.

Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year.

students in rotation under his direction, and systematic demonstrations of post-mortem methods, including those to be followed in Medico-Legal cases, will also be given.

### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins. It is intended especially for teaching the *technique* of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain and mount specimens. Everything except over-glasses and cabinet cases provided. Fee $8.00.

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## § IV.—QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine:—

1st. No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures for a period of at least four six months' sessions and one three months' summer session* in this University, or some other University, College or School of Medicine approved of by this University.

2nd. Candidates for final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz.:—

*Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.*

| | |
|---|---|
| Anatomy.<br>Practical Anatomy.<br>Physiology.<br>Chemistry.<br>Materia Medica and Therapeutics.<br>Principles and Practice of Surgery.<br>Midwifery and Diseases of Women and Children.<br>Theory and Practice of Medicine.<br>Clinical Medicine.<br>Clinical Surgery. | Of which two courses will be required of Six Months' duration. |
| Medical Jurisprudence. | Of which One Course of Six Months, or Two Courses of Three Months, will be required. |
| Practical Chemistry.<br>Botany or Zoology.<br>Hygiene. | Of which One Course will be required of Three Months' duration. |
| Histology. | Ten Lectures and Twenty-five Demonstrations. |
| General Pathology. | Twenty-five Lectures. |

*To be taken after 3rd Winter Session.

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3rd. The candidate must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months.

4th. He must also give proof of having assisted at six autopsies.

5th. He must also give proof by ticket of having attended for at least six months the practice of the University or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

6th. No one will be permitted to become a Candidate for examination who shall not have attended at least one Session of this University, and one full course of all the branches included in its curriculum.

7th. Courses of less length than the above will only be received for the time over which they have extended.

8th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

9th. Candidates who fail to present themselves for to pass in any of the subjects of the first two years will be granted a supplemental examination at the beginning of the following session.

10th. Supplementary examinations will not be granted except by special permission of the Faculty, and on written application stating reasons, and accompanied by a fee of $2 for each class.

11th. No candidate will be permitted to proceed with the work of the final year, until he has passed all the subjects comprised in the Primary Examination.

12th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

13th. The requirements for the summer session, when as at present taken after the third winter session, shall be :—

(*a*) Daily Hospital attendance;

(*b*) Maternity attendance ; and

(*c*) Any two weekly clinics, in addition to the clinics in General Medicine and Surgery.

14th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate :—

MONTREAL, ——— 18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise) that I shall have attained the age of twenty-one years before the next graduation day, and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed) A.B.

15th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

16th. The following Oath or affirmation will be exacted from the Candidate before receiving his degree :—

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A———B———, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo ;—me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum ; tum porro artem medicam caute, caste, et probe exercitaturum ; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causâ vulgaturum. Ita præsens mihi spondenti adsit Numen.

17th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

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## § V.—EXAMINATIONS.

Weekly examinations are held to test the progress of the Student; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows :—

FIRST YEAR.

*Pass Examination* in BOTANY, HISTOLOGY and VISCERAL ANATOMY.

*Sessional Examination* in ANATOMY, CHEMISTRY, and PHYSIOLOGY.

A due proportion of marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

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SECOND YEAR.

*Pass Examination* in ANATOMY, CHEMISTRY, PRACTICAL CHEMISTRY, PHYSIOLOGY and HISTOLOGY.

*Sessional Examination* in PHARMACOLOGY and THERAPEUTICS.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the candidate after the examination of the following year.

THIRD YEAR.

*Pass Examination* in PHARMACOLOGY and THERAPEUTICS, MEDICAL JURISPRUDENCE, HYGIENE* and PATHOLOGY.

* The examinations in Hygiene are held at the close of the summer session.

FOURTH YEAR.

*Pass Examination* in MEDICINE, SURGERY, OBSTETRICS, CLINICAL MEDICINE, CLINICAL SURGERY and PRACTICAL PATHOLOGY.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

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## § VI.—MEDAL AND PRIZES.

1st. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medallist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examina-

tion in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, Books to the value of $25.00.

## § VII.—FEES.

The total collegiate fees for all students entering on and after the first of October, 1890, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer sessions, and if the student elects to attend the two other summer sessions of his course, he can do so without further payment. (For Fees of graduation, see § IV, clause 16, supra.)

*All fees are payable in advance, to the Registrar, and except by permission of the Faculty will not be received later than 1st November.*

*It is suggested to parents or guardians of students that the fees be transmitted direct by cheque or P. O. Order, to the Registrar, who will furnish official receipts.*

## § VIII.—TEXT BOOKS.

(*Prices current in Montreal.*)

ANATOMY.—Gray, Wilson, Quain (Eng. Ed.)

PRACTICAL ANATOMY. – Heath's Dissector, Holden's Dissector, and Landmark's, Ellis' Demonstrations.

PHYSICS.—Balfour Stewart.

INORGANIC CHEMISTRY.—Millar, Wurtz's Elementary Chemistry.

ORGANIC CHEMISTRY.—Armstrong.

PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.

PHARMACOLOGY and THERAPEUTICS.—Wood, Lauder Brunton, Whitla, and Bruce.

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PHYSIOLOGY.—Huxley's *Elementary Lessons*, Foster, Prof. Mills Text-Book of Physiology and Outlines of Lectures.

PATHOLOGY.—Delafield and Prudden.

HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology.

SURGERY.—Holme's Surgery (Eng. Ed.), Erichsen, Druitt, Bryant, Treves.

PRACTICE OF MEDICINE.—Flint, Roberts, Bristowe, DaCosta, Fagge, Quain's Dictionary.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Finlayson's Clinical Manual, Fenwick on Medical Diagnosis, Warner on Medical Case Taking.

MEDICAL JURISPRUDENCE.—Husband, Guy and Ferrier, Reese.

MIDWIFERY.—Lusk, Galabin.

DISEASES OF CHILDREN.—Smith, Goodhart and Starr.

GYNÆCOLOGY.—Edis, Goodell's Lessons, Hart and Barbour's Manual, Thornburn Skene.

HYGIENE.—Parks, Wilson (Eng. Ed.).

BOTANY.—Gray's Text-Book of Histology and Physiology.

ZOOLOGY.—Sir William Dawson's Handbook of Canadian Zoology.

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## § IX.—MUSEUM.

For the past fifty years, the rich Pathological Material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare condition as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this departmant contains a complete set of models of deformed pelves, a series of preparations in wax, illustrating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, fœtal circulation, etc., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, etc.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition to the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently obtained :—

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts taken from the celebrated frozen sections of Professors His and Braune of Leipsig. These preparations have been placed in the Museum, so that they can be constantly consulted by the Students.

(4) (*a*) A complete set of Steger's brain sections.

(*b*) Set of hardened brains with the various lobes, convolutions, ganglia, etc., in different colors.

(*c*) Models of the cerebro-spinal and sympathetic nervous systems.

## § X.—LIBRARY.

The Library of the Medical Faculty now comprises upwards of thirteen thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of $5, which is refunded on returning the volumes.

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## § XI.—McGILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

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## § XII.—COST OF LIVING, &c.

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from $15 to $20 per month. A list of boarding houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.

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## § XIII.—HOSPITALS.

### *Montreal General Hospital.*

The Montreal General Hospital is the most extensive clinical field in the Dominion. A much larger number of in-door and out-door patients receive treatment there than in any other Canadian Hospital. Last year's report shows that 2,565 Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23.6 days.

The large number of out-door patients that are treated in the Hospital—upwards of 30,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments, which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by Specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department : one for diseases of children and the other for diseases of the nervous system.

Clinical Clerks in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted him. The holding of one of these offices is found to be of the greatest possible advantage to Students, as affording a true *practical* training for future professional life. They will be awarded on application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

Dressers are also appointed to the Surgical wards and to the Out-door Department. For these appointments, application is to be made to the Professor of Clinical Surgery and to the assistant Surgeons.

The Operating Room (used also for a lecture room) is so constructed as to enable the Students to obtain a good view of the operations.

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## *Montreal Dispensary.*

ST. ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending Physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session, and from 4 to 6 p.m. during the summer session.

## *The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. An improved Tarnier-Bûdin phantom is provided for the use of the Students, and every facility afforded for acquiring a practical knowledge of the various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. Clinical Midwifery having been placed upon the same basis as Clinical Medicine and Surgery and a final clinical examination instituted, Students will find it very much to their advantage to pay special attention to their clinical work during the summer session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to students who contemplate presenting themselves for British qualifications. Two resident Accoucheurs are appointed yearly from the graduating class to hold office for a period of six months each. By an arrangement with the authorities of the Montreal General Hospital, one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

## § XIV.—STUDENTS' APPOINTMENTS.

General Hospital—Five Resident Medical Officers.
Clinical Clerk, Gynæcology.
" " Laryngology.
" " Diseases of Children.
" " Dermatology.
" " Diseases of Nervous System.
University Maternity—Two Resident Medical Officers.
Out-door Dressers.
Dressers in Eye and Ear Department.
Surgical Dressers (in-door).
Medical Clinical Clerks.
Post-mortem Clerks.
Student Demonstrators of Anatomy, 4 third-year Students.
Prosectors to Chair of Anatomy, 2.
Assistants in Practical Histology Course, 2.
Assistants in Practical Physiology Course, 4.
Assistants in Practical Chemistry, 2.

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## § XV.—RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

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## TIME TABLE—FIRST AND SECOND YEARS, 1890-91.

| A.M. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. | SATURDAY. |
|---|---|---|---|---|---|---|
| 9 | Anatomy Examination. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Physiology, 2nd Year. |
| 10 | * Practical Chemistry. 2nd Year. till 12 o'clock. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry. 2nd Year. | Practical Chemistry. Botany, 1st Year. | Practical Chemistry. 2nd Year. | Practical Chemistry. Practical Physiology. Histology Demonstration. |
| 11 | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. Zoology. | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. | Out-Patients, Montreal Gen'l Hospital. Zoology. | Out-Patients, Montreal Gen'l Hospital. |
| P.M. 2 | Physiology Examination, 2nd Year. | Physiology. 2nd Year. | Physiology. 2nd Year. | Physiology, 1st Year. | Physiology, 1st and 2nd Years. | |
| 3 | Chemistry. Examination. | Chemistry. | Chemistry. | Chemistry. | Chemistry. | |
| 4 | Therapeutics Examination. Physiology, 1st Year. | Therapeutics. Physiology, 1st Year. | Therapeutics. Physiology, 1st Year. | Therapeutics. | Therapeutics. Histology Lectures, 1st Year. | |
| 4 to 6 | | Practical Histology. | | Practical Histology. | | |
| A.M. 10 to 12 | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. |

N.B.—The Demonstrator's Hours in the Dissecting Room from 10–12 a.m., and from 8–10 p.m. * Until Christmas only.

## TIME TABLE—THIRD AND FOURTH YEARS, 1890–91.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Midwifery. | Gynæcology. | Midwifery. | Gynæcology. | Midwifery. | |
| 10 | Surgery. Examination. | Surgery. | Surgery. | Surgery. | Surgery. | Morbid Anatomy. Demonstrations. |
| 11 | Practice of Medicine. Examination. | Practice of Medicine. | Practice of Medicine. | Practice of Medicine. | Practice of Medicine. | |
| P.M. 1–2.30 | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic, 3rd Year. | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic, 3rd Year. | Medical Clinic, 4th Year. Surgical Clinic, 3rd Year. | Surgical Clinic, 4th Year. Medical Clinic 3rd Year. |
| 1 | | Clinic on Diseases of Children. | | Clinic on Diseases of Children. | | Clinic on Diseases of Children. |
| 2 | | | | | Skin Clinic. | |
| 2.30 | | | Neurological Clinic. | | | |
| 2.30 | Ophthalmic Clinic. | | Ophthalmic Clinic. | | Ophthalmic Clinic. | |
| 4 | Therapeutics Examination. | Therapeutics. | Therapeutics. | Therapeutics. | Therapeutics. | |
| 4 | Gynæcological Clinic. | General Pathology. | Gynæcological Clinic. | Lecture on Ophthalmology. | Gynæcological Clinic. | |

Autopsies are performed at the General Hospital between 12 and 2 p.m.



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# Faculty of Law.

The re-organization of this Faculty under the endowment given by W. C. McDonald, Esq., is now in progress, and the usual announcement of the professional staff, course of study, etc., will be appended to this Calendar and published separately, before the opening of the session, which will take place on the 1st of October. 1890.

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# Faculty of Comparative Medicine and Veterinary Science.

THE PRINCIPAL (Ex-officio).

*Professors:*

MCEACHRAN (D.), BAKER, MCEACHRAN (C).

*Associate Professors:*

GIRDWOOD, PENHALLOW,
WILKINS, MILLS.
STEWART.

Dean of the Faculty:—D. MCEACHRAN, D.V.S.
Secretary:—C. MCEACHRAN, D.V.S.

The Second Session of the Faculty (being the twenty-fifth of the Montreal Veterinary College) will be opened on Wednesday, the 1st October, 1890, by an introductory lecture, at 8 p.m., in the lecture-room of the Faculty, No. 6 Union Avenue. The regular course of lectures will begin on Thursday, 2nd October, at the hours named in the time-table, and will continue till the end of March.

The complete course of study in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to present themselves for examination after regular attendance on one full course; graduates of recognized Agricultural Colleges where Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

Graduates of recognized Veterinary Colleges desirous of taking the degree may do so by attendance on the final subjects for one



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full session, but will be required to pass the examinations on all the subjects embraced in the curriculum, botany excepted.

Occasional and agricultural students will be received without matriculation for attendance on any particular series of lectures. Such students will not be examined, nor will they be entitled to receive class certificates except as occasional students, nor will such attendance be accepted, should the student subsequently wish to become a regular student of the Faculty.

## I. MATRICULATION.

Every student, previous to his admission, must produce a certificate of educational acquirements satisfactory to the Faculty, or submit himself to a matriculation examination in writing, reading aloud, dictation, arithmetic (including vulgar fractions), English grammar (as a text-book, Miller's Swinton's Language Lessons). It will be seen that this examination is far from severe; yet it affords a certain guarantee that illiterate men will not be admitted.

A. N. Shewan, M.A., will hold the matriculation examination on Saturday, 4th October, at 10 o'clock, at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination. Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates in Arts or Medicine and graduates of recognized Agricultural Colleges are not required to be examined

No College is recognized unless its students are required to matriculate.

## II. ENREGISTRATION AND PAYMENT OF FEES.

The following are the College regulations :—

All students desirous of attending the Veterinary Lectures shall, at the commencement of each session, enrol their names and residence in the register of the Veterinary School, and procure from the Registrar a ticket of Enregistration, for which each student shall pay a fee of $5.

The said register shall be closed on the last day of October in each year. The fees are payable to, and all class tickets will be issued by the Registrar, and must be paid in advance (except under special circumstances) at the time of enregistration.

All students must enregister, including those who receive free bursaries.

Fees for the whole course are $180, which may be paid in three annual payments of $60 each, which, in all cases, must be paid on entering. Matriculation fee, $5, which is to be paid prior to the examination; $5 for registration, and $5 for re-registration, payable at the beginning of each of the following two Sessions, and $20 on receiving the diploma. Students who are allowed time fo previous study will be required to pay full fees.

## III. STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture have the privilege of sending thirteen pupils, free of expense, to the whole course—Registration and Botany excepted, the fee for which is $5 each. These Bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the College, in the hand-writing of the applicants, accompanied by a recommendation from the Agricultural Society of the district in which they reside, provided the Council considers them qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, Bursars will be required to give a guarantee that they will attend three Sessions ; and failing to do so, they will have to pay the fees for the Sessions which they have attended.

## IV. GENERAL REGULATIONS.

Students of this Faculty will be graded as of the first, the second, and the final year.

In each year students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such, and shall obtain a ticket or tickets for the class or classes they desire to attend.

All Students shall be subject to the following regulations for attendance and conduct :—

A class book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted ; and the said class-book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations ; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

Punctual attendance on all the classes proper to his year is required of each Student. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class-room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class-rooms. Any Professor observing improper conduct in the Class-rooms, or elsewhere in the building, will admonish the student, and, if necessary, report him to the Dean.

When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

Any Student injuring the furniture or building will be required to repair the

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same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 30th March following.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors and such other examiners as may be appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The students have all the privileges of the McGill Medical Faculty's Laboratories, which aredescribed in its annual calendar.

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## V. COURSES OF LECTURES.

### MEDICINE AND SURGERY.

D. MCEACHRAN, F.R.C.V.S.

This Course is intended for students of the second and third years only.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature, causes, symptoms, and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and yard practice of the College, as well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practices of Surgery, and will be illustrated by a large collection of surgical appliances, about to be added to the College material for the illustration of lectures.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes.

Special lectures will be given on Sanitary Science, Quarantine, inspection of meat and milk, and also on the examination of horses for soundness.

### ANATOMY.

M. C. BAKER, D.V.S.

In this course the Anatomy of the horse is the subject of special study; while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of clastic anatomical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most

complete collection of diagrams, including Marshall's complete set, Mons. Achille Comte's Anatomical and Zoological series, also a large collection of drawings specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawkset, Montreal.

The Dissecting Room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords students all that can be reasonably desired.

## MATERIA MEDICA.

JAMES STEWART, M.D.

This course comprises :—

A description of the Pharmacology and Therapeutics of the more important medicinal agents, as well as a special course on the properties, preparation, physiological and therapeutic actions of all the medicines used in Veterinary practice.

Students are also required to do practical work, in compounding and administering medicines, in the pharmacy and hospital.

## CATTLE PATHOLOGY AND OBSTETRICS.

C. MCEACHRAN, D.V.S.

A special course on Cattle Diseases and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plagues: their nature, symptoms, pathological anatomy, prophylactic and therapeutic treatment; breeding and general management of breeding animals diseases incident to gestation and parturition, etc.

### SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special course on Dogs, which will include :—

(1) Lectures on the physical and psychic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.

(2) The principles of training; the feeding and general management of dogs.

(3) The principles of breeding; the management of brood bitches and the rearing of puppies.

(4) Bench show management and the public judging of dogs.

(5) The rights and duties of dog owners.

In all of the above courses the clinical and pathological aspects of the subjects will be considered, as well as the normal.

### SPECIAL COURSE ON STOCK-BREEDING.

Professor D. McEachran will during the session deliver a special course of lectures on the Breeds of Horses, Cattle, Sheep and Swine, embracing their breeding and management on farms and on the prairies. This course will also

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embrace inspection and transportation of animals by railroad and steamer, subects of general information of great value to Practitioners of Comparative Medicine.

The above special courses are free to all students.

The courses in the following subjects are the same with three in the Faculty of Medicine, which see.

BOTANY.—Prof. Penhallow.
ZOOLOGY.—Prof. Sir. W. Dawson.
CHEMISTRY.—Prof. Girdwood, M.D.
PHYSIOLOGY.—Prof. J. Wesley Mills, M.D.
HISTOLOGY.— Prof. G. Wilkins, M.D.
COMPARATIVE PATHOLOGY.—Demonstrator Wyatt Johnson, M.D.

## VI. THE MUSEUM

contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the students have frequent opportunities of referring. Students will also enjoy the privileges of the Museum of the Medical Faculty of McGill University, which is rich in pathological specimens and of the Peter Redpath museum of Zoology and Botany.

## VII. THE PHARMACY.

All the medicines used in the practice of the College are compounded by the students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this means they become familiar with the physical properties, compatibilities, doses and uses of the medicines, and become expert in administering them to the different patients brought for treatment.

## VIII. THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the city and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the numbers of cattle kept in the city, and the valuable thoroughbred herds in the neighborhood, advanced students are enabled to see and do considerable cattle practice. The dog practice is the largest in Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior students will be appointed to act alternately as dressers in the Hospital, and first and second year men must assist in administering medicines and at operations.

## IX. FREE CLINICS.

To afford the students still more extensive opportunities of clinical observation, an hour a day will be given to free clinics for animals belonging to the poor, which will be duly advertised.

## X. QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects:—

| | |
|---|---|
| Botany or Zoology,<br>Histology, | One course of six months, 1st year. |
| Chemistry,<br>Physiology,<br>Anatomy, | Two courses of six months, 1st and 2nd years. |
| Cattle Diseases and Obstetrics,<br>Practice of Medicine and Surgery,<br>Materia Medica, | Two courses, 2nd and 3rd years. |

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum.

Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Faculty, and on written application stating reasons.

Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required; the clinical reports to include diagnosis, prognosis and treatment.

The following oath or affirmation will be exacted from the candidate before receiving the degree:—

### DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

I, ————, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

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## XI. EXAMINATIONS.

First Year—Pass Examinations in Botany or Zoology and Histology.

Second Year.—Pass Examinations in Chemistry, Physiology and Anatomy.

Third Year.—Pass Examinations in Practice of Medicine and Surgery and Veterinary Obstetrics, and Diseases of Cattle and Materia Medica.

N.B.—Examinations will be held from time to time during the session, and attendance at these is compulsory.

## XII. AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular students before attaining that age.

Minors may pass the Examinations, but cannot receive the Diploma until they are twenty-one years of age.

## XIII. PAST SESSION.

The total number of Students enregistered in this Faculty during the past session was 51, of whom there were from

| | | |
|---|---|---|
| Quebec.....23 | Massachusetts.....7 | New Hampshire..1 |
| Ontario.....7 | New York.....4 | Montana.....1 |
| Nova Scotia.....1 | Minnesota.....1 | Texas.....1 |
| Manitoba.....1 | Indiana.....1 | Arkansas.....1 |
| North-West Territories..1 | Wisconsin.....1 | |

For further information see the special announcement of the Faculty, which may be had on application to the Secretary.

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*University Regulations Governing the Conferring of the Degree upon former graduates of Montreal Veterinary College.*

The Degree of Doctor of Veterinary Science may be conferred on former graduates of Montreal Veterinary College, at any Convocation of McGill University held for conferring degrees, subject to the following regulations, which were adopted at a meeting of the Corporation of McGill University, held on 22nd January last, governing the conferring of Degrees on former graduates:—

1st.—That the candidate must be found to have conducted himself throughout his professional career with honor and integrity.

2nd.—That he has not been connected with the manufacture or sale of proprietary medicines.

3rd.—That he has been engaged in actual practice for at least one year since graduating, or that he has been engaged in professional study at some European school.

4th.—That he shall be required to satisfy the Board that he has made reasonable progress in professional knowledge and skill.

In estimating the fitness of a candidate for a degree, account will be taken specially of work done in professional teaching, original research, publication of books or contributions to the journals of the profession.

The fee for the Diploma shall be Twenty Dollars.

An affirmation shall be administered similar to that of other Faculties, and in English.

The Degree may be conferred on absentees.

The regulations relating to fees and affirmations shall apply to ordinary undergraduates on taking the Degree.

Candidates intending to apply for the Degree of D.V.S. should notify the Registrar of the Faculty at their earliest convenience, and at the same time state the grounds explicitly on which they base their claims for the Degree.

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# University School Examinations.

1891.

UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE, AND RECOGNIZED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls from any Canadian school.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

| | | |
|---|---|---|
| *English Reading* | 30 | *Marks.* |
| *Writing* | 30 | do |
| *English Dictation* | 50 | do |
| *English Grammar including easy Analysis* | 50 | do |
| *Arithmetic* (all the ordinary rules, including square root) | 100 | do |
| *Geography* (acquaintance with the maps of each of the four continents, and of British North America) | 50 | do |
| *British History* and *Canadian History* | 50 | do |
| *New Testament History** (Gospels and Acts, as in Maclear) | 50 | do |

* Candidates will be exempted from examinationin this subject only if their parents or guardians make written objection thereto.

#### II. OPTIONAL SUBJECTS.

**Section 1.—Languages.**

*Latin* :—

Cæsar.—Bell. Gall., Bk. I.
Virgil.—Æneid, Bk. I., lines 1–300.
Cicero.—In Catilinam, Oratt. I. and II. } 150 marks.

*Greek* :—

Xenophon.—Anabasis, Bk. I.
Homer.—Iliad, Bk. IV. } 150 do

*French* :—

Grammar, Dictation.
Darey's Lectures Françaises (selected extracts).
Re-translation, English into French. } 120 do

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*German* :—

| | | |
|---|---|---|
| Grammar,<br>Adler's Reader, Sections I. and II.<br>Translation from German into English. | 120 | do |

## Section 2.—Mathematics, Natural Philosophy, &c.

*Geometry* :—

| | | |
|---|---|---|
| Euclid, I., II., III. | 150 | do |

*Algebra* :—

| | | |
|---|---|---|
| Elementary Rules, Involution, Evolution, Fractions, Simple Equations. | 150 | do |

*Plane Trigonometry.*

| | | |
|---|---|---|
| (As in Hamblin Smith, pp. 1-100, omitting Ch. XI.) | 100 | do |

*Natural Philosophy.*

| | | |
|---|---|---|
| Mechanics and Hydrostatics (as in any ordinary School Text Book). | 100 | do |
| *Geometrical and Freehand Drawing*<br>*Geometrical.*—Vere Foster $R^1$, $R^2$, $R^3$, problems 119 to 129.<br>*Freehand.*—Rules of Perspective. Drawing from the object. | 100 | do |

## Section 3.—English.

*The English Language.*

| | | |
|---|---|---|
| Meiklejohn's English Language, pts. I., II., III.<br>Trench's Study of Words. | 120 | do |

*English Literature.*

| | | |
|---|---|---|
| Meiklejohn's English Language, pt. IV.<br>Shakespeare, Julius Cæsar.<br>Scott's Lady of the Lake. | 120 | do |
| *History.*—(As in Primers of Greece and Rome, ~~and Collier's Great Events.~~) | 100 | do |
| *Geography.*—Physical, Political and Commercial | 100 | do |

## Section 4.—Natural Science, &c.

| | | |
|---|---|---|
| *Zoology* (as in Nicholson's Introductory Text-Book) | 100 | do |
| *Botany* (as in Spotten's High School Botany, with Analysis according to the method of Nelson's "Herbarium and Plant Descriptions.") | 100 | do |
| *Geology* (as in Dana's Text-Book) | 100 | do |
| *Chemistry* (as in Remsen's Elements of Chemistry, pp. 1 to 160) | 100 | do |
| *Physiology and Hygiene* (as in Cutter's Intermediate) | 100 | do |

## GENERAL REGULATIONS.

1. For the Certificate of ASSOCIATE IN ARTS, Candidates must pass in all the preliminary subjects, and also in the Optional subjects contained in one of the three following groups :—

*First.*—(*a*) Two subjects of Section 1, one of them being Latin or Greek. (*b*) Geometry or Algebra of Section 2. (*c*) Two of the nine subjects of Sections 3 and 4.

*Second.*—(*a*) French and German of Section 1. (*b*) Geometry or Algebra of Section 2. (*c*) Two subjects of Section 3. (*d*) One subject of Section 4.

*Third.*—(*a*) One subject of Section 1. (*b*) Two subjects of Section 2. (*c*) Three of the nine subjects of Sections 3 and 4.

2. For the JUNIOR CERTIFICATE, Candidates must pass in all the Preliminary subjects and also in the following Optional subjects :—

(*a*) One subject of Section 1. (*b*) One subject of Section 2. (*c*) One of the nine subjects of Sections 3 and 4.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least *one third* (and, in the case of English Reading and English Dictation, *two-thirds*) of the total number of marks obtainable in that subject.*

*When (*e. g.*, in History, English Language, &c.) two or more books or subjects are prescribed for one examination it is necessary to pass in each. Candidates will not be allowed to pass in the Preliminary Grammar, unless they show a satisfactory knowledge of Syntax (Parsing, Analysis, and questions connected therewith). In Classics at least one-third of the marks allotted to the grammatical questions must be obtained.

4. The total number of Marks gained by every Candidate in the Optional subjects shall be added up, and the Candidates arranged in order of merit in a printed list, at the close of the Examination, those who are over 18 years of age on the first day of the examination being in a separate list. No marks in any subject shall be counted, unless the Candidate has gained at least the minimum number of marks required for passing in that subject. The marks in not more than three subjects of Section 1, three subjects of Section 2, and three subjects selected from Sections 3 and 4, will be counted. Candidates taking one classical and one modern language may, instead of a third language, take an additional subject of Section 4, with Geometrical or Freehand Drawing (150 marks in the aggregate). Candidates who take two modern languages may take an additional subject of Section 4, with drawing as above, to be reckoned at 180 marks. Candidates taking one subject only of Section 1 may take four Subjects selected from Sections 3 and 4.

5. Candidates who obtain at least *two-thirds* of the marks in any Optional subject will be entitled to a certificate of creditable answering in that subject, provided they satisfy the conditions for either Associate in Arts or Junior Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science.

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7. Candidates who fail, or who may be prevented by illness from completing their examinations, may come up at the next examination without extra fee.

8. Candidates who pass in all the Preliminary subjects may at the next examination take the Optional subjects only, and without extra fee.

9. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

10. The examinations will begin on Monday, June 1st, at 9 a.m.

11. Lists of the names, ages, and Optional subjects to be taken by the Candidates, together with the fee of $4 for each Candidate, must be transmitted to the Secretary of McGill University on or before May 1st. (Blank forms and copies of the Regulations will be furnished on application.)

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Extracts from Darey's Lectures Françaises, for the examination of 1891.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68, 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156, 158, 162, 166, 169, 176, 179, 182, 196, 215.

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NOTE.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee; but in order to obtain the certificate from the Universities, the prescribed fees, viz.: $4.00 for A. A. certificates, and $2.00 for junior certificates, must be paid to the Secretary of the University Examiners.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the Rev. E. I. Rexford, Secretary, Department of Public Instruction, Quebec.

# McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, or for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

## Government of the School.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the Committee of the Normal School for the Session of 1890-91.

## NORMAL SCHOOL COMMITTEE.

Sir Wm. Dawson, C.M.G., LL.D., F.R.S., Vice-Chancellor of the University, *Chairman.*

Mr. Samuel Finley.
Mr. George Hague. } Governors of McGill College.

Rev. George Cornish, LL.D.
J. R. Dougall, M.A. } Fellows of McGill University.

J. W. Brakenridge, B.C.L., *Acting Secretary.*

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## OFFICERS OF INSTRUCTION.

### McGILL NORMAL SCHOOL.

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SAMPSON PAUL ROBINS, M.A., LL.D., *Principal and Ordinary Professor of Mathematics, and Lecturer on Art of Teaching and Natural Science.*

GEORGE W. PARMELEE, B.A., *Ordinary Professor of English Language and Literature, and Instructor in Classics.*

MADAME SOPHIE CORNU, *Professor of French.*

MR. R. J. FOWLER, *Instructor in Music.*

——— *Instructor in Elocution.*

MISS GREEN, *Instructor in Drawing.*

MISS ROBINS, *Assistant to the Principal.*

MR. W. H. SMITH, *Instructor in Tonic Sol-Fa.*

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

MR. THOS. B. SMILEY, *Head Master of Boys' School.*

MISS JANE A. SWALLOW, *Head Mistress of Girls' School.*

MISS LUCY H. DERICK, *Head Mistress of Primary School.*

## ANNOUNCEMENT FOR THE SESSION 1890–91.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-fifth session of this school will commence on the first of September, 1890, and close on the twenty-ninth of May, 1891. The complete course of study extends over four years, and the Students are graded as follows:—

1.—*Elementary School Class.*—Studying for the Elementary School Diploma.

2.—*Model School Class.*—Studying for the Model School Diploma.

3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

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### I. TERMS OF ADMISSION.

(*Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.*)

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography, and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the exam-

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ination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A. A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry, and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted to the Elementary School Class not later than the close of the Christmas vacation. No teacher-in-training admitted later than the first of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit on trial to the classes persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the school by the Principal whenever he may judge it best so to do ; but none shall be permitted to enter or to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*See Note c.*)

## II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examinations, the sum of $400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of $800

will be divided at the close of the sessional examinations. The remainder of the bursary fund will be divided as an allowance for travelling expenses among teachers-in-training residing in the Province of Quebec, at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French, and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none others shall be entitled to this privilege, nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations in the Normal Schools, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching the standards defined above shall be entitled to admission to the Model School Class; none others, without the special permission of the Principal. Such holders of Elementary School diplomas as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may

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be examined either at the examinations for the Associate in Arts in June, or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be arranged by the Principal from time to time in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto, after teaching for a time, in order to take the degree of Bachelor of Arts ; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School, who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations,

with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training who do not attain the standard defined above, must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemptions from fees in the second year will be granted to the three students entering from the Normal School who, with creditable standing in all their examinations at the close of the first year in Arts, have taken the highest aggregate of marks of any Normal School Students of their year.

## IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, or keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled. (*See Note c.*)

Each professor shall have the power of excluding from his lectures any student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal.

## V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

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In addition to punctual attendance at weekly religious instruction, each student will be required to attend public worship at his own church at least once every Sunday.

## VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence; and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging-houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging-house keepers are required to report, as soon as possible, all cases of serious illness, and all infractions of rules touching boarding houses.

## VII. ACADEMY DIPLOMAS.

*Granted under the regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin and Greek in the Degree Examinations, or

who have taken at least second class standing in Latin and Greek at their Intermediate Examinations, shall be entitled to receive first class Academy diplomas, provided that they have also taken either (*a*) the regular course in the Art of Teaching at the McGill Normal School (or other public training institution outside the Province approved by the Protestant Committee), or (*b*) a first class standing in the special professional examination provided for such graduates by the McGill Normal School. Such aforesaid graduates as take only second class standing in the special professional examination of the foregoing sub-section (*b*) shall be entitled to second class Academy diplomas only.

Teachers taking Academy diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas, otherwise their diplomas shall be second class.

Teachers who hold (*a*) Academy diplomas granted before the first July, 1886, or (*b*) second class Academy diplomas granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (*a*) the requisite certificates of age and of good moral character according to Form No. 1 (page 11), and (*b*) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction for an Academy diploma of the class to which he is entitled under these regulations.

The examination of Bachelors of Arts and of members of graduating classes, who are candidates for Academy diplomas, shall be held in the McGill Normal School, on or after the 15th of May each year, and the results shall be declared at the close of the Normal School Session in May. (*See Note f.*)

The Principal of the school is authorized to send examination papers, based on the syllabus given in Reg. 59, to the University of Bishop's College for the use of students in the graduating class, and such students shall receive their diplomas on their graduating.

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The period of study in the Model School for such candidates shall be fixed from time to time by the Principal, and shall extend over at least four weeks.* Candidates who produce certificates that they have taught successfully for at least one year may be exempted from attendance at the Model School.

The results of the examination must show that the candidate has a competent knowledge:

1. Of the School Laws of the Province and of the regulations made by the Protestant Committee of the Council of Public Instruction, in so far as these refer to the duties of teachers.

2. Of the aim and possible attainment of school life, of the annual progress to be expected, of the best classification and the best arrangement of school duties tending to this end, and of the mode of recording all facts representing the attendance and progress of pupils that may be necessary.

3. Of discipline, and, in relation to it, the teacher, the parents, the pupils, rewards, punishments, and the formation of the habit of instinctive obedience.

4. Of the best methods of imparting knowledge; how to fix it in the memory, how rightly to govern a class in receiving knowledge, and how to conduct a successful class recitation, together with the methods of instruction in each important branch of school work.

5. Of methods of using books aright, and of investigating truth by weighing evidence and by using the senses as instruments of research.

6. Of the physical, mental, and moral constitution of the child, and the demands that society will hereafter make upon him.

To prepare for such an examination, the candidate should carefully weigh his own experiences as a learner, should closely examine the methods in vogue in a good school, and should add to the impressions received from his general reading the results of studying the text-books on School Management and School Methods, prescribed for the Academy diploma, a thorough knowledge of which will be required.

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* Bachelors of Arts will observe that the Principal of the Normal School has no power to dispense with this condition. Students in Arts about to graduate, and desirous of securing the Academy diploma of the Normal School, are recommended to arrange with the Principal for fulfilling this condition during the earlier part of the Session.

These books are Baldwin's Art of School Management and Gladman's School Methods.

FORM No. 1.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing..... .....for the .....last past, that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man*."

*This Certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners or Trustees or Visitors.*

## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the By-Laws of the McGill Normal School.*

(*a*) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some Public School in the Province of Quebec.

(*b*) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals, and in the division of words into syllables; to give the names and state the positions of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, and rivers, and of the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(*c*) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school, or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied, in case of failure of health, by medical certificates.

(*d*) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

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The Prince of Wales' medal and prize shall be given to that teacher-in-training of the Model School class who passes for the diploma, and takes the highest aggregate of marks at the final examination of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination shall determine to whom this medal shall be awarded.

(*e*) In order to be recognized as teachers-in-training for the Academy diploma, students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts. Having entered college, they must report to the Principal of the Normal School from time to time as he may require; and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(*f*) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(*g*) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from $12 to $16 per month.

## IX. COURSE OF STUDY.

N.B.—The subjoined Course of Study has been designed, and all instruction in it is given, with express reference to the work of teaching.

In addition to the work of the School carried on by its regular professors, as detailed in the subjoined course of study, arrangements have been made by which lectures on School Law will be delivered by the Rev. E. I. Rexford, B. A., Secretary of the Department of Public Instruction; on Botany, by Professor Penhallow, B. Sc.; and on Chemistry and on Physiology and Hygiene, by Thomas D. Reed, Esq., M. D.

### 1. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous

education may enable them to enter at a more advanced period, the course of study in this class is divided into terms, as follows :—

FIRST TERM, from September 1st to December 3rd.

(*Entrance Examination as stated above.*)

*English.*—The structure of sentences. Orthography and orthoepy. Penmanship. The study of Milton's L'Allegro.

*Geography.*—General view of continents and oceans. Map of North America with special reference to the Dominion.

*History.*—Outline of general and sacred history.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary Notions.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode Berlitz.

*French Geography.*—Eléments de Géographie Moderne, Amérique.

*Botany.*—High School Botany, Spotton.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

SECOND TERM, January 6th to end of Session.

*(No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.).*

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Milton's Il Penseroso and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of South America and of the Old World, with special reference to the British Islands.

*History.*—England.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of numbers, Mensuration.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode Berlitz.

TRENT UNIVERSITY LIBRARY

*French History.*—Histoire de France.

*French Geography.*—Europe.

*Botany.*—High School Botany, Spotten.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each student of the Elementary School Class must be provided with an English Grammar, an English History, an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the school in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English language. Study of Shakespeare's Tempest, Scott's Lady of the Lake.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Rome, Canada.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book keeping.*—Double entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar Gallic War, Book I. Æneid, Book I, vv. 300.

*Greek.*—Grammar, Anabasis, Book I.

*French.*—Translation from French into English, and from English into French, Worman's French Grammar, Lectures Françaises, Méthode Berlitz, Canadian History, L'Histoire du Canada par Miles, French Geography.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs, and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

In addition to the text-books named above, each student of the Model School Class must be provided with an English Grammar, a History of Canada, a History of Rome, an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

## 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

Will follow for two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and, if residents of the country, receiving a bursary from the Normal School not exceeding $30 per annum, and such tutorial assistance as may be deemed necessary. Such students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in McGill College, for first year students, is :—

*Greek.*—Odyssey, Books XXI. to XXIV. (Selections).

*Latin.*—Cicero, Select Letters. Virgil, Book IX.

*English Language and Literature.*—Analysis and Composition. Milton's Comus and Bacon's Essays. Lectures on English Literature.

*French.*—Darey, Principes de Grammaire Française. La Fontaine, Les Fables, Livres I. and II. Molière, L'Avare. Dictation and colloquial exercises.

*Mathematics.*—Arithmetic. Euclid, six Books. Algebra to end of quadratics. Plane Trigonometry.

*Chemistry.*—Lectures illustrated by experiment on chemical theories and laws, and on the more important elements and compounds.

The course for second year students is :—

*Greek.*—Euripides, Medea.

*Latin.*—Horace, Epistles, Book II. Tacitus, Germania.

*French.*—Ponsard, L'Honneur et l'Argent. Racine, Phèdre. Contanseau Précis de Littérature Française. Dr. Johnson, Rasselas.

*English Literature.*—Shakespeare, A Midsummer Night's Dream. Lectures

*Psychology and Logic.*—Murray's Hand-book of Psychology. Jevons' Elementary Lessons in Logic.

*Botany.*—Text-books, Gray and Bessey.

MCGILL UNIVERSITY LIBRARY

The course in Bishop's College for the current year is:—

*Greek.*—Æschylus, Prometheus; Plato, Crito.

*Latin.*—Horace, Odes II.; Sallust, Jugurtha.

*English.*—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History.*—Greek and Roman.

*French.*—Translation, Grammar and Composition.

*Mathematics.*—Euclid, Books I., II., III., IV., and VI. Algebra to Progressions. Arithmetic.

*Physics.*—Balfour Stewart's Elementary.

## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Boys' School.—Thomas B. Smiley, *Head Master.*

Selina Sloan, } *Assistants.*
Elizabeth Reid, }

Girls' School.—Jane E. Swallow, *Head Mistress.*

Mary J. Peebles, } *Assistants.*
Louisa McNaughton, }

Primary School.—Lucy H. Derick, *Head Mistress.*

Marion Taylor, *Assistant.*

These Schools can accommodate about 300 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of six and upwards, and give a thorough English education. Fees, Boys' and Girls' Model Schools, $1 to $1.50 per month; Primary School, 75c.; payable monthly in advance.

# Passed the University Examination.

SESSION 1889-90.

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

Kneeland, Warren A., Montreal.
England, George P., Dunham, Q.
Girouard, Désiré H., Montreal.
Vipond, Thomas J., Montreal.
Harvey, Alfred E., Stanstead, Q.
Pelletier, Hormisdas Rémi, Marieville, Q
Ambrosse, John David Long, Montreal.

## FACULTY OF MEDICINE.

PASSED FOR THE DEGREE OF M.D., C.M.

(Arranged Alphabetically.)

Addy, G. A. B., St. John, N.B.
Ault, C. A., Oshkosh, Wis.
Bissett, C. B, River Bourgeois, N.S.
Bowes, E. J, Ottawa, Ont.
Broderick, E. J., B.A., Fredericton, N.B.
Burritt, C. H., B.A., Mitchell, Ont.
Campbell, J. M., Longueuil, Q.
Clarke, J. W., Tatamagouche, N.S.
Clune, P. J., Warkworth, Wis.
Coleman, A. H., Belleville, Ont.
Corbin, F. G., Bedford, N.S.
Curtis, I. B., Hartland, N.B.
Ellis, T. H., Pembroke, Ont.
Evans, D. J., Montreal.
Gorrell, A. S., Brockville, Ont.
Greene, T. J., Appleton, Ont.
Hamilton, H. D., B.A., Montreal
Harris, N. M., Ormstown, Q.
Hayes, John, B.A., Richmond, Q.
Inksetter, W. E., Copetown, Ont.
Irwin, A. F., Chatham, Ont.
Jenkins, W. E, Conquerall, N.S.
Jento, C. P., Mellville, O.
Kee, D. N., Fordyce, Ont.
Kemp, H. D., Montreal.
Leslie, A. C., Grand Forks, Dak.
Lewin, A. A., St. John, N.B.
Liddell, G. L., Cornwall, Ont.
Morphy, A. G., B.A., London, Ont.
Morris, O., Pembroke, Ont.
Mulligan, E. A., Aylmer, Q.
Murray, M. W., Beachwood, Ont.
Macdonald, M. S., Scotchtown, Q.
McEown, F., Winnipeg, Man.
McKay, H. H., Pictou, N S.
McKechnie, R. E., Winnipeg, Man.
McKee, G. L., Coaticook, Q.
McLellan, A. C., Indian River, P.E.I.
McManus, H.D., B A., Frederickton, N.B
McMillan, G. A., St. Agnès de Dundee, Que.
Noble, C. T., Sutton, Ont.
O'Connor, C., Worcester, Mass.
Oliver, A. J., Cowansville, Q.
Patton, H. M, B.A., Winnipeg, Man.
Reid, J. T., Winnipeg, Man.
Robertson, W., Chesterfield, Ont.
Ross, James, Halifax, N.S.
Ross, H. R., Quebec.
Smith, W. D., Plantagenet, O.
Telfer, W. J., Burgoyne, Ont.
Thompson, F. E., Quebec.
White, D. DeJ., Montreal.
Wilson, W. A., Derby, N.B.
Williamson, H. M., Guelph, Ont.
Woodruff, E. H, B.A., St. Catharines, O.
Yorston, F. S., Truro, N.S.



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PASSED THE PRIMARY EXAMINATION.

Berwick, G. A.
Binmore, J. E.
Bowen, G. A.
Boyce, B. F.
Brown, F. W. A.
Bruce, D. A.
Carmichael, H. B. W.
Carlaw, C. M.
Chabot, J. L.
Chipman, R. J.
Day, A. R.
Duncan, G. H.
Glendinning, R. T.
Graham, W. C. R.
Grant, H. A.
Halliday, V.
Hayes, P. J.
Henderson, James
Hogg, D. H.
Irwin, A. F.
Jameson, Thos.
Johnson, Albert
Lang, F. W.
Langley, A. F.
Lewin, A. A.
Mair, A. W.
Martin, C. F.
Massiah, H. B.
Meade, C. J.
Meikle, W. F.
Mackay, D. T.
McKenty, J. E.
McKenzie, R. T.
McKinnon, A. I.
McNally, H.
Paterson, Lamont
Phelan, E. D.
Robinson, B. E.
Rogers, W.
Shirriff, Geo. R.
Sinclair, O. W.
Smith, W. H.
Stewart, J. A.
Taylor, T. T.
Taylor, J. N.
Taplin, M. M.
Wade, A. S.
Walsh, W. E.
Walker, W. G.
Wasson, H. J
Yates, H. B.

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## FACULTY OF ARTS.

### GRADUATING CLASS.

PASSED FOR THE DEGREE OF B.A.

*In Honours.*

(Alphabetically arranged.)

*First Rank.*—Botterell, H. Inez R.
Colclough, William F.
Derick, Carrie M.
Fraser, Daniel J.
McDougall, Robert.
Nicholls, Albert G.
Robertson, Andrew A.
Tory, Henry M.
Trenholme, Edward C.
Williams, Annie.

*Second Rank.*—Elliott, James A.

*Ordinary.*

(In order of Merit.)

*McGill College.*

*Class I.*—Abbott, Maude.
Davidson, Peers.
Binmore, Elizabeth.
Tolmie, Alexander.
Matthewson, George H.

*Class II.*—Sutherland, Hugh C.
Daley, James T.

CAMERON, JOHN ALEXANDER. } equal.
FRY, FREDERICK M. }

BOTTERELL, JEANIE T. }
HALL, ALEXANDER R. } equal.
MACK, SILAS W. }

KINGHORN, H. McL. } equal.
MOSS, WILLIAM THOS. D. }

HUNTER, ALEXANDER. } equal.
SWANSON, ISAAC J. }

WALSH, ALEXANDER W.
McVICAR, DONALD.
RICHARDSON, PETER L.
REID, WILLIAM D.
PARKER, JOHN.
McGREGOR, ALEXANDER M.

*Class III.*—MACFARLANE, MIRA.
PATON, WILLIAM E.
FINCH, CALVIN WRIGHT.
HENDERSON, MARY.
ROSS, JOSEPH J.

*Aegra.*—SCOTT, SARA B.

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*Morrin College.*

*Class I.*—BRODIE, CHARLES E.

*Class II.*—CRAIG, HUGH.
DESBRISAY, CHARLES.

*Class III.*—ANDERSON, DUNCAN.

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BACHELORS OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

CAMERON, WELLINGTON A., B.A.

McGOUN, ARCHIBALD, B.A.

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ADMITTED TO THE DEGREE OF LL.D. "*Honoris Causâ.*"

THE RIGHT HONORABLE FREDERICK ARTHUR STANLEY, BARON PRESTON, G.C.B., P.C., Governor General of Canada.

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PASSED THE INTERMEDIATE EXAMINATION.

*McGill College.*

*Class I.*—WOOD, ARTHUR B.
KOLLMYER, W. HECTOR S.
ARCHIBALD, EDWARD W.
BARRON, ROBERT H.
ROBINS, GEORGE D.
PITCHER, ETHELWYN.
CUSHING, HAROLD B.
ROSS, ROBERT O.
BORIGHT, MABEL.

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*Class II.*—Campbell, Kate W.
Taylor, James.
Parker, Edwin G.
Messenger, W. J.
Mitchell, R. J. W.
Tatley, Eleanor E. A.
Mackenzie, E. A.
Angus, Frances R.
Davey, R. George.
Raynes, Ethel G.
Jaquays, H. M

*Class III.*—Day, Maurice B.
Leach, Milda E.
Davidson, Clara.
MacLennan, Kenneth.
Colquhoun, Phillip.
Lyman, Helen W.
Smyth, Walter H.
Allen, James H.
Anderson, John D., *s.*
Blachford, Henry, *s.*
Brown, Daniel, *s.*
Carmichael, Saumarez, *s.*
Hunt, Lovisa E., *s.*
Macdonald, Minnie L, *s.*
Mewhort, Louise, *s.*
Pritchard, William S., *s.*
Russell, William, *s.*
Williams, Edward J., *s.*

*s.*—With supplemental Examination in one subject.

*Morrin College.*

*Class I.*—None.
*Class II.*—Drum, Lorne.
*Class III.*—Sloane, Samuel T.
McHarg, Robert F.
Tanner, John F. E.
Logie, Edward S., *s.*

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*St. Francis College.*

*Class I.*—None.
*Class II.*—Fraser, Hortense C.

## FACULTY OF APPLIED SCIENCE.

**Civil Engineering** (*Advanced Course*).

IN ORDER OF MERIT.

RICHARD SMITH LEA, EDWARD ERNEST STUART MATTICE.

**Civil Engineering** (*Ordinary Course*).

IN ORDER OF MERIT.

RICHARD SMITH LEA, EDWARD ERNEST STUART MATTICE, ORRIN REXFORD, ALBERT HOWARD HAWKINS, WILLIAM SIMEON DENISON, CHARLES HERBERT ELLACOTT, CHESTER BOWDITCH REED.

**Mechanical Engineering** (*Advanced Course*).

GEORGE WALWORTH MOONEY.

*Ordinary Course.* (In order of merit.)

PETER WHITEFORD REDPATH, GEORGE WALWORTH MOONEY.

**Practical Chemistry.** (*Advanced Course.*)

PERCY NORTON EVANS.

*Ordinary Course.* (In order of merit.)

PERCY NORTON EVANS, ARTHUR EDWARD SHUTTLEWORTH, WILLIAM SMAILL, SIDNEY CALVERT, ROBERT HENRY JAMIESON.

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## FACULTY OF VETERINARY SCIENCE.

PASSED FOR THE DEGREE OF D.V.S.

HONORIS CAUSA.

D. MCEACHRAN, F.R.C.V.S., V.S. Edinburgh, Dean of the Faculty.

FROM PREVIOUS SESSIONS.

(Arranged Alphabetically.)

Austin, R. D., V.S.
Baker, Professor Malcolm C., V.S., Montreal
Ball, E. P., V.S., Stanstead, P.Q.
Becket, Geo. C., V. S., Montreal
Bryden, Williamson, V.S., 36 Sudbury, St., Boston, Mass.
Clement, A. W., V.S., Baltimore, Md., U.S.
Couture, J. A., V S., Quebec
Craig, Wm., V S., Cornwall, Ont.
Daubigny, V. T., V.S., Montreal
Dawes, M. A., V. S., St. Anne de Bellevue
Dillon, Gerald P., V.S., Toronto, Ont.
Dyer, Charles E., V. S., Sutton, P. Q.
Goddard, A.J. G., V.S.
Hall, Wm. B., V.S., Quebec, P.Q.
Harris, A. W., V.S., Ottawa, Ont.
Harris, James G., V.S., Duluth
Hinkley, Nelson P., V.S., Buffalo, N.Y.
Hoare, Edward W., V. S. and M.R.C.V. S., Cork, Ireland
Jakeman, William, V.S., Halifax, N.S.
Lemay, Daniel, V.S.
Lyford, C. C., M.D., V.S., Minneapolis, Minn, U.S.
McCormick, Archibald, V.S., Ormstown P.Q.
McEachran, Professor Charles, V.S., Montreal
McLellan, Frederick W., V.S., Bridgeport, Conn., U. S.
McWhinnie, Hy., V.S., Troy, N.Y., U.S.
Miller, John A., V.S., Storm Lake, Iowa
Munro, Malcolm, V.S., Lancaster, Ont.
Mylne, R. C., V. S.
Ormond, Chas. H., V.S., Milwaukee, Wis.
Parker, John M., V.S., Montreal
Sangster, Geo., V.S., Huntingdon, P.Q

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Simpson, Martin W., V.S., Greenfield, Mass.
Skaife, F. W., V. S., Montreal
Smith, Henry D., V.S., Montreal
Thomas, Flavel S., M.D., Ph.D., V.S., Hanson, Mass.
Torrance, Frederick, B.A., V.S., Brandon, Man.
Wardel, Walter, V.S., Aqueduct St., Montreal
Wroughton, Theodore Ambrose, S.V. Fort McLeod, N.W.T.

SESSION OF 1889-90.

Crossman, Geo., E., Brushton, N.Y., U.S
Darling, Andrew, Montreal
Hayman, Julian M., Boissevain, Man.
McClue, John, Lynn, Mass., U.S
Mills, Professor Wesley, M.A., M.D., —McGill College
Scanlan, Henry, Montreal
* Scott, James F., St. Mitchel, Montreal
Walsh, R. N., Huntingdon, P.Q.
Willyoung, Lester E., Albion, N.Y.

* Cannot receiv h degree until he is of age.

# Scholarships and Exhibitions.

SESSION 1889-90.

## FACULTY OF ARTS.

I. SCHOLARSHIPS (Tenable for two years).

| Year of Award. | Names of Scholars. | Subject of Examination. | Annual Value. | Founder or Donor. |
|---|---|---|---|---|
| 1888 | Tory, H. M. | Mathematics. | $125 | W. C. McDonald. |
| 1888 | Nicholls, A. G. | Class.& Mod.Lang | 125 | W. C. McDonald. |
| 1888 | MacDougall, Robert. | Class.& Mod.Lang | 120 | Barbara Scott. |
| 1888 | Sutherland, H. C. | Nat. Science. | 125 | W. C. McDonald. |
| 1889 | LeRossignol, W. J. | Class.& Mod.Lang | 125 | W. C. McDonald. |
| 1889 | McGregor, J. M. | Class.& Mod.Lang | 120 | Chas. Alexander. |
| 1889 | Gunn, W. T. | Nat. Science | 125 | W. C. McDonald. |

II. EXHIBITIONS (Tenable for one year).

| NAMES OF EXHIBITIONERS. | Academic Year. | Annual Value. | Founder or Donor. |
|---|---|---|---|
| Wood, Arthur B. | Second | $125 | W. C. McDonald. |
| Kollmyer, W. H. | " | 125 | George Hague. |
| Robins, George D. | " | 100 | Major Mills. |
| *Fairclough, Elizabt. | First | 100 | Mrs. Redpath. |
| *Brown, James. | " | 125 | W. C. McDonald. |

* The Governor-General's exemptions from Sessional Fees for four years were awarded to the students thus indicated.

*Bursaries* were awarded as follows:—To *Hunter, J. N. (1st year), a McDonald Bursary of $62.50; to *White, A. H. (1st year), a McDonald Bursary of $62.50.

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# Prizes, Honours and Standing.

SESSION 1889-90.

## FACULTY OF LAW.

### GRADUATING CLASS.

*First Rank Honours and Elizabeth Torrance Gold Medal:*
Warren Anderson Kneeland.

*First Rank Honours and Second Prize for General Proficiency:*
George Prevost England.

*First Rank Honours:*
Désiré Howard Girouard.
Thomas John Vipond.

*Second Rank Honours:*
Alfred Eugene Harvey.

STANDING IN THE CLASSES.

INSURANCE, AFFREIGHTMENT AND SURETYSHIP.—Prof. TRENHOLME.
*First Class.*—Kneeland, Vipond, England, Girouard.
*Second* " None.
*Third* " Harvey, Ambrosse, Pelletier.

CONSTITUTIONAL LAW.—Professor ARCHIBALD.
*First Class.*—England, Kneeland, Harvey.
*Second* " Girouard.
*Third* " Pelletier, Ambrosse, Vipond.

ROMAN LAW.—Professor HUTCHINGSON.
*First Class.*—Girouard, Vipond, England, Kneeland.
*Second* " Ambrosse, Harvey, Pelletier.

CIVIL LAW. (*Marriage Covenants, Gifts, and Wills*).—Professor ROBIDOUX.
*First Class.*—Kneeland, Harvey, Girouard, Vipond, England, Pelletier.
*Second* " Ambrosse.

COMMERCIAL LAW. (*Merchant Shipping and Banking*).—Professor DAVIDSON.
*First Class.*—Kneeland, Girouard, England.
*Second* " Ambrosse, Pelletier, Vipond.
*Third* " Harvey.

CIVIL PROCEDURE.—Professor McGoun.

*First Class.*—England, Pelletier.
*Second* " Vipond.
*Third* " Harvey, Girouard, Kneeland, Ambrosse.

CIVIL LAW.—Assistant Professor Fortin.

*First Class.*—Kneeland, Girouard, Vipond, Pelletier, Harvey, England.
*Second* " None.
*Third* " Ambrosse.

## SECOND YEAR.

*First Rank Honours and Prize.*

Francis Joseph Hatchette.

*First Rank Honours and Prize.*

Frederick William Hibbard.

PASSED THE SESSIONAL EXAMINATION.

Hatchette, Francis J., Montreal.
Hibbard, Frederick W., Dunham, Que. } equal.
Geoffrion, Victor, Montreal.

RANKING IN THE CLASSES.

INSURANCE, AFFREIGHTMENT AND SURETYSHIP.—Professor Trenholme.

*First Class.*—Hibbard.
*Second* " Hatchette.
*Third* " Geoffrion.

CONSTITUTIONAL LAW.—Professor Archibald.

*First Class.*—Geoffrion.
*Second* " Hibbard, Hatchette.

ROMAN LAW.—Professor Hutchinson.

*First Class.*—Hatchette, Hibbard.
*Second* " None.
*Third* " Geoffrion.

CIVIL LAW. (*Marriage Covenants, Gifts and Wills*).—Professor Robidoux.

*First Class.*—Hatchette and Geoffrion, equal.
*Second* " Hibbard.

COMMERCIAL LAW.—Professor Davidson.

*First Class.*—Hatchette, Hibbard.
*Second* " None.
*Third* " Geoffrion.

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CIVIL PROCEDURE.—Professor McGoun.

*First Class.*—None.
*Second* " Hibbard.
*Third* " Geoffrion, Hatchette.

CIVIL LAW.—Assistant Professor Fortin.

*First Class.*—Hatchette, Hibbard.
*Second* " Geoffrion.

FIRST YEAR.

*First Rank Honours and Prize.*—Percy C. Ryan.

*Second Rank Honours and Prize.*—Harry V. Truell.

PASSED THE SESSIONAL EXAMINATION.

Ryan, Percy C., Ottawa.
Truell, Harry Valorous, Stanstead, Q.
Hutcheson, Robert Bennett, Montreal.

STANDING IN CLASSES.

INSURANCE, AFFREIGHTMENT AND SURETYSHIP.—Professor Trenholme

*First Class.*—Ryan.
*Second* " None.
*Third* " Truell, Hutcheson.

CONSTITUTION—Professor Archibald.

*First Class.*—None.
*Second* " Ryan, Truell.
*Third* " Hutcheson.

ROMAN LAW.—Professor Hutchinson.

*First Class.*—Hutcheson.
*Second* " Truell.
*Third* " Ryan.

CIVIL LAW.—Professor Robidoux.

*First Class.*—Ryan, Truell.
*Second* " None.
*Third* " Hutcheson.

COMMERCIAL LAW—Professor Davidson.

*First Class.*—Ryan.
*Second* " Truell.
*Third* " Hutcheson.

CIVIL PROCEDURE—Professor McGoun.

*First Class.*—None.
*Second* " Ryan.
*Third* " Hutcheson, Truell.

CIVIL LAW—Assistant Professor Fortin.

*First Class.*—Ryan, Hutcheson, Truell.

## FACULTY OF MEDICINE.

THE HOLMES GOLD MEDAL, FOR THE BEST EXAMINATION IN ALL THE BRANCHES COMPRISED IN THE MEDICAL CURRICULUM. — ROBERT EDWARD MCKECHNIE, of Winnipeg, M.

THE PRIZES FOR THE BEST EXAMINATION IN THE FINAL BRANCHES.—EDWARD JOHN BOWES, Ottawa, Ont., MICHAEL W. MURRAY, Beachwood, Ont., equal.

THE CLEMESHA PRIZE in Clinical Therapeutics.—ALFRED HENRY COLEMAN, Belleville, Ont.

THE PRIZE FOR THE BEST EXAMINATION in the Primary Branches.—JAMES HENDERSON, Warkworth, Ont., and THOMAS JAMESON, Buffalo, N. Y., equal.

THE SUTHERLAND GOLD MEDAL.—THOMAS JAMESON, Buffalo, N.Y.

The following, arranged in order of merit, deserve honorable mention :—

*In the Primary Branches.*—Chabot, J.L., Day, A.R., Massiah, H. B. W., Martin, C. F., Wasson, H. J., Hayes, P. J., Boyce, B. F., Chipman, R. J., Lang, F. W.

*In the Final Branches:*—Smith, W. D., Inksetter, W. E., Yorston, F. S., Irwin, A. F., Coleman, A. H., Hayes, John, Broderick, E. J., Noble, C. T., Wilson, W. A., Evans, D. J.

Professors' and Demonstrators' prizes :—

*Botany*.....Robt. Wilson, Montreal.
*Senior Anatomy*.....James Henderson, Warkworth.
*Junior* " .....J. W. Scane.

*Passed in Anatomy.*

Anderson, N., Philimore, R. H., Girdlestone, C. W., Jack, du Vernet.

*Passed in Chemistry.*

Coburn, A. D., Cooper, M. A., Jack, du Vernet, Walsh, T. N., Girdlestone, C. W., Gunter, F. B., Hume, G. L., Martin, S. H., Whyte, J. T., Peake, J. P., Thompson, John.

*Passed in Practical Chemistry.*

Anderson, Norman, Ault, C. R., Brousseau, J. A., Dupuis, D. R., Ellis, W. L., Fulton, J. A., Girdlestone, C. W., Gunter, F. B., Hume, G. L., King, H. S., Kinghorn, H. M., Lindsay, W., Martin, S. H., McKenzie, R. J., McLennan, D. A., McLeod, H. S., Peake, J. P., Richards, S., Thompson, John, Tremblay, L., Walsh, T. N.

*Passed in Physiology.*

Akerley, A. W. K., Anderson, N., Coburn, A. D., Jack, du Vernet, Martin, S. H., Outwater, S. W., Peake, J. P., Travers, J. B., Thompson, John, Walsh, T. N.

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*Passed in Hygiene.*

Addy, G. A. B., Ault, C. A., Beers, A. H., Bissett, C. P., Boderick, E. J. Bowes, E. J., Burritt, C. H., Clarke, J. W., Clune, P. J., Corbin, F. G., Curtis, I. B., Ellis, T. H., Gorrell, A. G., Hayes, John, Hayes, Joseph, Irwin, A. F., Jenkins, W. E., Jento, C. P., Kee, D. N., Lewin, A. A., Morphy, A. G., Morris, O., Mulligan, E. A., Murray, M. W., Macdonald, M. S , McEown, F., Mackay, H., H., McKechnie, R. E., McKee, G. L., McLellan, A. C., McManus, H. D., Noble, C. T., O'Connor, C., Patton, H. M , Reid, J. T., Ross, Jas., Ross, H. R., Smith, W. D., Telfer, W. J., Williamson, H. M., Wilson, W. A.

*Passed in Pharmacology and Therapeutics.*

Alexander, W. W., Bennie, R., Bowie, R. A., Brouse, J. E., Brown W. A. Busby, J., Calkin, B. H., Carlaw, C. M , Clarke, J., Clemesha, J. C., Dewar, A., Farwell, W. A., Fletcher, R. W., Fulton, J. A., Gibson, R. J., Grafton, E. A., Hamilton, W. F., Harrison, J D., Hattie, W. H., Heweston, J., Holden, D. B., Internoscia, A., Irwin, A. F., Kelly, C. I., Keir, E. J., Lambert, E. M., Love, A., Lovering, W., Mader, A. I., Main, C. G., Martin, M. McL., Moore, J. M., Morrow, W. S., McCann, A. E. A., McCrimmon, A. A., McGauran, G. F., McGuire, J. C., McMillan. J. H., MacPhail, J. A., Neill, J., Robertson, E. A., Robertson, T. F., Sinclair, O. W., Smith, C. F., Smith, T. H., Sparling, A. J., Spier, J. R , Tunstall C. A., Troy, W., Watson, N. M., Webster, R. E., Williamson, W. P.

*Passed in Pathology.*

Alexander, W. W., Bennie, R., Bowie, R. A., Brown, W. A., Busby, J., Calkin, B. H., Carlaw, C. M., Clarke, J., Clemesha, J. C., Dewar, A., Farwell, W. A., Fletcher, R. W., Gibson, R. J., Grafton, E. A., Hamilton, W. F., Harrison, J. D , Hattie, W. H , Heweston, J., Holden, D. B., Internoscia, A , Irwin, A. F., Kelly, C. I., Keir, E. J., Lambert, E. M., Love, A., Lovering, W., Mader, A. I., Main, C. G., Martin, M. McL., Moore, J. M., Morrow, W. S., McCann, A. E. A., McCrimmon, A. A , McGuire, J. C., McMillan, J. H., MacPhail, J. A., Neill, J., Robertson, E. A., Robertson, T. F., Shirriff, G., Sinclair, O. W., Smith, C. F., Smith, T. H., Sparling, A. J., Spier, J. R., Tunstall, C. A., Troy, W., Waston, N. M , Webster, R. E., Williamson, W. P.

*Passed in Medical Jurisprudence :*

Alexander, W. W., Bennie, R., Bowie, R. A., Brouse, J. E., Brown, W. A., Busby, J., Calkin, B. H., Carlaw, C. M., Clarke, J., Clemesha, J. C., Dewar, A., Farwell, W. A., Fletcher, R. W., Fulton, J. A., Gibson, R. J., Grafton, E. A., Hamilton, W. F., Harrison, J. D., Hattie, W. H., Heweston, J., Holden, D. B., Internoscia, A., Irwin, A. F., Kelly, C. I., Keir, E. J., Lambert, E. M., Love, A., Lovering, W., Mader, A. I., Main, C. G., Martin, M. M. McL., Moore, J. M., Morris, O., Morrow, W. S., Mackay, H. H., McCann, E. A., McCrimmon, A. A., McGauran, G. F., McGuire, J. C., McMillan, J. H., MacPhail, J. A., Neill, J., Richards, S., Robertson, E. A., Robertson, T. F., Shirriff, G. R., Sinclair, O. W., Smith, C. F., Smith, T. H., Sparling, A. J., Spier, J. R., Tunstall, C. A., Troy, W., Waston, N. M., Webster, R. E., Willamson, W. P.

*Passed in Histology.*

Aylen, E. D., Barrett, H. H., Blunt, H. W., Bostwick, W. E., Brown, J. A., Cameron, J. D., Campbell, Robt., Carroll, R. W, Cooper, M. A., Deeks, W. E., Dewar, G. F., Dewar, A. T., Du Vernet, Ed., Fleming, G. W., Fulton, J. A., Girdlestone, C. W., Goff, H. N., Gunter, F. B., Haight, Mortimer, Hewetson, S. W., Hume, G. L., Internoscia, A., Jamieson, W. H., Lambly, W. O., Lawrence, J. W., Lewis, J. T., Lindsay, W., Livingstone, H. A, Masten, C. H., McKenzie, S. R., McArthur, A. D., McIntyre, J. D, MacKay, R. B., McLennan, D., McLennan, K., McMillan, Wallace, McMorine, R. F., Ogden, C. L., Patterson, W., Robinson, B. E., Rorke, R. F., Scane, J. W., Semple, E. J., Seguin, J. W. A., Shaw, G. F., Sinclair, O. W., Smith, W. H., Trenholme, G A., Wade, A. S., Walker, J. L., Walsh, T. N., Wilson, Robt., Wilson, R. D., Yearwood, C. A., Young, W. E.

*Passed in Botany.*

Anderson, N., Aylen, E. D., Barrett, H. H., Bostwick, W. E., Brown, J. A., Cameron, J. D., Campbell, Robt., Carroll, R. W., Cooper, M. A., Johnston, A., Lambly, W. O., Lawrence, J. W., Lewis, J. T., Lindsay, Wm., Livingston, H. A., Masten, C. H., Mathieson, R., Mills, W. C., Rodger, D. A., Ropke, R. F, Robinson, H. J., Scammell, J. H., Scane, J. W., Seaton, J. S., Semple, E. J., Seguin, J. W. A, Shaw, Thos. P.

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## FACULTY OF ARTS.

GRADUATING CLASS.

*B.A. Honours in Mathematics and Natural Philosophy.*

TORY, Henry M.—First Rank Honours and Anne Molson Gold Medal.

*B.A. Honours in Classics.*

NICHOLLS, ALBERT G.—First Rank Honours and Chapman Gold Medal.
COLCLOUGH, WILLIAM F.—First Rank Honours.

*B.A. Honours in Natural Science.*

DERICK, CARRIE M.—First Rank Honours and Logan Gold Medal.
ROBERTSON, ANDREW A.—First Rank Honours and Medal Prize.
BOTTERELL, H. INEZ R.—First Rank Honours.
TRENHOLME, EDWARD C.—First Rank Honours.

*B.A. Honours in Mental and Moral Philosophy.*

WILLIAMS, ANNIE.—First Rank Honours and Prince of Wales Gold Medal.
MCDOUGALL, ROBERT.—First Rank Honours.
FRASER, DANIEL J.—First Rank Honours.
ELLIOTT, J. A.—Second Rank Honours.

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*Gold Medal and Special Certificates for First Rank General Standing.*

ABBOTT, MAUDE.—Special Certificate, Lord Stanley Gold Medal.
DAVIDSON, PEERS.—Special Certificate.
BINMORE, ELIZABETH.—Special Certificate.
TOLMIE, ALEXANDER.—Special Certificate
MATTHEWSON, GEORGE H.—Special Certificate.

*Morrin College.*

BRODIE, CHARLES D.—Special certificate.

THIRD YEAR.

LEROSSIGNOL, WALTER J. J.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing; Prizes in Classics and Zoology.
WARNE, JAMES F.—First Rank Honours in Natural Science; First Rank General Standing; Prize in English and Rhetoric.
WARNE, WILLIAM A.—First Rank Honours in Natural Science.
PIDGEON, GEORGE C.—Second Rank Honours in English Language, Literature and History.
GUNN, WILLIAM T.—First Rank General Standing.
PATTISON, MARY L.—First Rank General Standing; Prize in Zoology.
OLIVER, WILLIAM.—First Rank General Standing.
ROBINS, LILIAN E.—First Rank General Standing; Prize in Classics.
MCGREGOR, JOHN M.—First Rank General Standing; Prize in Classics.
MOFFATT, EVA L.—First Rank General Standing; Prizes in Latin and French.
MCDOUGALL, GORDON W.—First Rank General Standing.
ELLENWOOD, WILLIAM R.—First Rank General Standing; Prize in Grammar.
GOFF, H. N.—First Rank General Standing.
MCALPINE, JOHN J.—Prize in Hebrew.

*Passed the Sessional Examinations.*

LeRossignol, Gann, Pattison; Oliver and Robins, equal McGregor (J. M.) and Warne (J. F.), equal; Moffatt, McDougall; Ellenwood and Goff, equal; Hall (B.) and Smith and Whyte (G.), equal; Hall (R. S.); McAlpine and McGregor (E. B.) and Moore (L.), equal; Young; McLeay and McMillan and Warne (W. A.), equal; Cole and Tees, equal; Pidgeon and Russell equal; Whyte (J. T.) Hipp McLeod, Dobson, Craik.

SECOND YEAR.

WOOD, ARTHUR B.—(High School, St. Johns, P.Q.)—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in Classics.
ROBINS, GEORGE D.—(High School, Montreal.)—First Rank Honours and Prize in Mathematics; First Rank General Standing.
KOLLMYER, W. HECTOR S.—High School, Montreal.)—First Rank General Standing; Prize in Logic.

ARCHIBALD, EDWARD W.—(High School, Montreal.)—First Rank General Standing; Prizes in French and German.

BARRON, ROBERT H.—(Lachute Academy, P.Q.)—First Rank General Standing; Prize in Botany.

PITCHER, ETHELWYN.—(High School, Morrisburg, Ont.)—First Rank General Standing; Prizes in Logic and English.

CUSHING, HAROLD B.—(High School, Montreal.)—First Rank General Standing.

ROSS, R. O. R.—(Baddeck Academy, C.B.)—First Rank General Standing; Prize in Hebrew.

BORIGHT, MABEL.—(Sutton Academy, P.Q.)—First Rank General Standing; Prizes in French and German.

CAMPBELL, KATE M.—(Girls' High School, Montreal,)—Prize in Classics.

MESSENGER, WILLIAM J.—(Private Tuition,)—Prize in English.

TATLEY, ELEANOR.—(Private Tuition.)—Prize in Botany.

*Passed the Sessional Examinations.*

Wood, Kollmyer, Archibald, Barron, Robins, Pitcher, Cushing, Ross (R. O Boright, Campbell (K.), Taylor, Parker, Messenger, Mitchell, Tatley, Mackenzie, Angus, Davey, Raynes, Jaquays, Day, Leach, Davidson, Maclennan, Colquhoun, Lyman, Smyth, Allen. [The following *arranged alphabetically*]—Anderson, Blachford, Brown, Carmichael, Hunt, Macdonald, Mewhort, Pritchard, Russell, Williams.

FIRST YEAR.

BROWN, JAMES T.—(Huntingdon Academy, P.Q.)—First Rank Honours and Prize in Mathematics.

FAIRCLOUGH, LIZZIE M.—(Hamilton Collegiate Institute).—First Rank Honours in Mathematics.

JORDAN, JOHN E.—(Coaticock Academy, P.Q.)—Second Rank Honours in Mathematics.

WHITE, ALFRED H.—(Peoria High School, Ill., U. S.)—First Rank General Standing; Prizes in Classics, and Chemistry and German.

HICKSON, JOSEPH W. A.—(Eliock School, Montreal.)—First Rank General Standing; Prize in French.

MANSUR, CHARLES.—(Stanstead Wesleyan College).—First Rank General Standing.

JAMES, AGNES S.—(McGill Normal School).—First Rank General Standing. Prizes in Latin and History, and in English Literature.

GORDON, JOHN S.—(Prince of Wales' College, Charlottetown, P. E. I.)—First Rank General Standing; Prize in Hebrew.

LEROSSIGNOL, MARY A.—(Girls' High School, Montreal).—Prize in History.

JACKSON, ANNIE L.—(Miss Symmers and Smith's School, Montreal.)—Prizes in French and German.

REAY JANET.—(McGill Normal School).—Prize in Chemistry.

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*Passed the Sessional Examinations.*

White, Hickson, Mansur, James, Gordon, Killaly, Gurd, LeRossignol ; Fairclough and Townsend, equal ; Brown (J. T.), Mahaffy, Jackson, Millar, Reay, Jordan, Seymour, Honeyman, Thompson, Allen, Mills, Smith, Hodgins, Skeels, Stearns, Brown (C. L.), Ballantyne ; Hutchison and Lee, equal ; Internoscia, Brittain, Adams (J. R.) *s*, Botterell *s*, Donahue *s*, Hunter *s*, Ireland *s*, McGerigle *s*, Munn *s*, Naylor *s*.

*s*.– With Supplemental Examination on one subject.

SPECIAL PRIZES, &C.

*Anne Molson Mathematical Prize* ($64)—(Examination held in September, 1889) Tory H. M., Fourth Year Student.

*Professor's Prize for Collection of Insects*—McDougall Robert, Fourth Year Student.

*Professor's Prize for Collection of Fossils*—Botterell (H. Inez R.), Fourth Year Student.

*Professor's Prize for Collection of Lepidoptera*—Trenholme Edward C., Fourth Year Student.

*Charles G. Coster Memorial Prize*—To that undergraduate of the First Year from the Maritime Provinces who, in the opinion of the Faculty, has passed the most satisfactory Sessional Examination.—GORDON, JOHN S. Alberton, P. E. I.

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*Note.*—The prizes in the Donalda department are from the income of the Hannah Willard Lyman Memorial Fund.

SCHOLARSHIPS—TENABLE FOR TWO YEARS. (AWARDED SEPT., 1889.)

THIRD YEAR.—*Classical and Modern Language Scholarships.*—* LeRossignol W. J. ; ** McGREGOR J. M.—*Natural Science Scholarship.*—Gunn W. T.

EXHIBITIONS—TENABLE FOR ONE YEAR.

SECOND YEAR.—*Wood, Arthur B. (St. Johns' High School, P.Q.), † Kollmyer W. H. (High School, Mtl.) ; § Robins George D. (High School, Mtl.)

FIRST YEAR.—HIGHER ENTRANCE AND EXHIBITION EXAMINATIONS.

*Class I.*—1. ‡ Fairclough, Elizabeth, (Hamilton Coll. Inst.) *Exhibition.*
2. *Brown, James, (Huntingdon Academy.) *Exhibition.*

*Class II.*—§§ Hunter, J. N., Clifton College, England.
§§ White, A. H., Peoria High School, Ill., U. S.

(*Bursaries* were granted to the candidates in Class II.)

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* Value of Scholarship or Exhibition, $125 yearly ; founder, W. C. MacDonald, Esq.
† Value, $125 yearly ; donor, George Hague, Esq.
* Value, $120 yearly ; founder, Charles Alexander, Esq.
** Value, $100 yearly ; founder, Major Mills.
‡ Value, $100 yearly ; founder, Mrs. Redpath.
§§ Value of each Bursary, $62.50 ; donor, W. MacDonald, Esq.

# SESSIONAL EXAMINATIONS, 1890.

## McGILL COLLEGE.

*In the following list * indicates Partial or Occasional Students.*

### GREEK.

B.A. ORDINARY.—*Class I.*—Nichols, Colclough, Cameron, Abbott, Binmore, Fry, Daley. *Class II.*—Mathewson, Tolmie, Parker, Moss, Hunter, Reid, Mack. *Class III.*—Walsh, Henderson, Swanson, Finch, Richardson, Ross.

THIRD YEAR.—*Class I.*—LeRossignol (W. J.), (*Prize*); Gunn, Pattison, Robins (Lilian B.), McGregor (John M.), Hall (R. S.); Ellenwood and Oliver, equal. *Class II.*—Hipp, Moore (Levi), Young, Tees, McGregor (E. B.). *Class III.*—Pidgeon, McAlpine; Cole and Russell, equal; McLeod, Holden, Guthrie, Dobson, Craik.

SECOND YEAR.—*Class I.*—Archibald and Barron and Wood, equal; Kollmyer, Robins, Parker, Campbell (K. M.), Taylor, Messenger. *Class II.*—Ross (R. O.), Cushing, Mitchell, Day, Blachford; Jaquays and Pritchard, equal. *Class III.*—Sadler; Brown and Colquhoun and Mackenzie, equal; Davis and Robertson, equal; MacLennan; Carmichael and Smyth, equal; Allen, Davey, Russell, Hunt; Anderson and Graham and Jekill, equal.

FIRST YEAR.—*Class I.*—White, Townsend, Gurd, Hickson, James, Jordan, Mansur, Killaly, Mahaffy; Brown (J. T.) and Fairclough, equal. *Class II.*—Millar; Allen and Honeyman and Reay, equal; Carter, Donahue, Naylor, Skeels, Hunter, Thompson, Brown (C. L.); Byers and Gordon and Ireland and Stearns, equal. *Class III.*—McGerrigle, McVicar (R. M.), Hodgins, Hutchison, Brittain, Fraser, Adams (J. R.), Lee; MacKeracher and Munn, equal; Ballantyne; Internoscia and Smith, equal. *Prize.*—White.

### LATIN.

B.A. ORDINARY—*Class I.*—Nichols; Colclough and Williams, equal; Abbott and Binmore, equal; Hall (Alex. R.), Tolmie, Trenholme; Botterell (Jeanie T.) and Kinghorn, equal. *Class II.*—Davidson, Moss; Fry and Parker, equal; Hunter. *Class III.*—Paton, Macfarlane, Henderson.

THIRD YEAR.—*Class I.*—Le Rossignol (W. J.), (*Prize*); McGregor (Jno. M.), (*Prize*); Moffatt (*Prize*); Ellenwood and McMillan, equal; Warne (Jas. F.), Smith, Moore (Levi); Hall (R. S.) and McGregor (E. B.) and Robins (Lilian B.), equal. *Class II.*—MacDougall, Hall (Bessie); Oliver and Whyte (Geo.) and Young, equal. *Class III.*—Guthrie, McLeay, Warne (Wm. A.).

SECOND YEAR.—*Class I.*—Wood, Barron; Archibald and Kollmyer, equal; Cushing, Campbell (K. M.), Boright, Robins (G. D.), Parker, McKenzie; Pitcher and Ross (R. O.), equal. *Class II.*—Mitchell, Taylor, Messenger, Raynes; Day and Tatley, equal; Jaquays, Angus; Mewhort and Sadler,



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equal; Johnson (N.); Carmichael and Leach, equal. *Class III.*—Davidson and Hunt and McDonald, equal; Russell, Anderson; Colquhoun and McLennan, equal; Brown and Davey and Ellicott and Smyth, equal; Allen, Lyman; Ross (J. K.) and Williams, equal; Pritchard, Campbell (R. K.), McCoy. *Prizes.*—Wood and Campbell (K.M.)

SECOND YEAR.—(*Latin Prose Composition.*)—*Class I.*—Wood; Archibald and Kollmyer, equal; Robins (G. S.); Barron and Campbell (K. M.), equal; Pitcher; Boright and Cushing and Taylor, equal. *Class II.*—Mewhort, Parker, Day, Ross (R. O.); Johnson (N.) and Raynes, equal; Angus; Leach and McKenzie and Messenger, equal; Anderson, McDonald. *Class III.*—McLennan; Davidson and Ellicott and Mitchell and Tatley, equal; Hunt, Pritchard, Jaquays, Davey, Blachford, Brown, Carmichael; McCoy and Smyth and Williams, equal; Allen, Lyman, Colquhoun, Graham.

FIRST YEAR.—*Class I.*—Hendrie; James and White, equal; Fairclough, Seymour; Hickson and LeRossignol, equal; Skeels; Mahaffy and Mansur, equal. *Class II.*—Allen, Gurd, Jackson Killaly; Millar and Townsend, equal; Botterell and Honeyman, equal; Carter, Brown (J. T.); Ballantyne and Donahue and Hunter, equal; Jordan, Naylor, Gordon, Reay. *Class III.*—Thompson, Hutchison; Brittain and Ireland, equal; Smith and Stearns, equal; Brown (C. L.), McDonald, Mills, Byers, Adams (J. R.), Lee, McVicar (R. M.), McKeracher; Hodgins and Internoscia, equal. Boyd, McGerrigle.
*Prizes.*—James and White.

GREEK AND ROMAN HISTORY.

FIRST YEAR.—*Class I.*—Botterell and James, equal; LeRossignol, Gurd; Gordon and Killaly, equal. *Class II.*—Brown (J. T.) and White, equal; Honeyman and Mahaffy and Mansur, equal; Lee, Hunter, Smith, Jordan; Allen and Millar and Townsend, equal. *Class III.*—Hutchison and McVicar (A.) and Seymour, equal; Hickson, Brown (C. L.), Donahue Brittain; Gerrie and Ireland and McVicar (R M.) and Munn, equal; Naylor, Mills; Ballantyne and Internoscia and McGerrigle, equal; Jackson, Stearns, Skeels, Thompson, McDonald, Vipond, Hodgins, Reay, Fraser.
*Prizes.*—James and Le Rossignol.

HONOUR EXAMINATIONS IN CLASSICS.

B.A.—First Rank Honours and Chapman Gold medal: Nichols, Albert G.
First Rank Honours: Colclough, Wm. E.

MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—(*Moral Philosophy.*)—*Class I.*—Williams, Fraser; MacDougall (R.) and Abbott, equal; Elliott (J. A.), Binmore, Cameron; Davidson and Sutherland, equal; Swanson, Mack, Paton, Botterell (J.T.);

Kinghorn and Richardson, equal. *Class II.*—Hall (A. R.) and McGregor, equal; Tolmie, Reid, Parker, Fry, Hunter, McVicar; *Judge, Henderson, Walsh, Macfarlane, Mathewson. *Class III.*—*Moore (C.), Finch, *Mitchell, Ross.

THIRD YEAR.—(*Mental Philosophy.*)—*Class I.*—Gunn and LeRossignol, equal; *Hendrie; Hall (B.) and Oliver, equal; *Clendinnen, Whyte (G.), Moffatt. *Class II.*—Ellenwood, Russell, Whyte (J.); Goff and Hall (R. S.), equal; MacDougall (G. W.) and Pidgeon, equal. *Class III.*—*Flagg, McAlpine, Craik, *Massicotte, *Chantler, *Moore (S.).
*Prize.*—Le Rossignol.

SECOND YEAR.—(*Logic*).—*Class I.*—Kollmyer and Wood, equal; Barron and Pitcher, equal; Archibald; Davey and Robins and Ross, equal; Campbell (K.) and Mackenzie, equal; Brown and Boright, equal; McKinley and Mitchell and Tatley, equal. *Class II.*—Messenger and Russell, equal; Monk, Macdonald, Angus, Cushing; Davis and Mewhort, equal; Davidson; Anderson and Day and Raynes and Taylor, equal. *Class III.*—*Elliott; Blachford and MacLennan, equal; Burnett and Sadler, equal; Williams, Parker, Logan, Allen; Colquhoun and Morris and Ross, equal; *Burke and Graham and Leach, equal; Carmichael and Hunt, equal; Jaquays; Lyman and Pritchard and *Tener, equal; *Campbell (E. M.); Grisbrook and Jekill, equal; Campbell (R. F.) and *Murray, equal; Robertson and Smyth, equal.
*Prizes.*—Kollmyer, Pitcher.

EUROPEAN HISTORY.

B.A. ORDINARY.—*Class I.*—Davidson and Mack, equal; Sutherland, Kinghorn. *Class II.*—Tolmie; Daley and McGregor, equal; Botterell (J. T.) and Hall and Hunter, equal; Reid, McVicar, Swanson; Macfarlane and Moss, equal; Parker. *Class III.*—Paton, Walsh, Henderson, Finch.

*B.A. Additional in English Lit. and Hist. Class II.*—Mack.

ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Warne (J. F.). (*Prize*); McMillan and Smith, equal. *Class II.*—Pidgeon, Warne (W. A.); Holden and Moore (L.), equal. *Class III.*—Moore (S.).

THIRD YEAR.—*Additional in English Lit. and Hist. Class II.*—Pidgeon.

ENGLISH LITERATURE AND HISTORY.

SECOND YEAR.—*Class I.*—Messenger (*Prize*), Kollmyer, Archibald, Robins, Pitcher (*Prize*); Barron and Mitchell, equal; Raynes, Wood; Macdonald and Parker, equal. *Class II.*—Blachford and Cushing and Ross (R.O R.) and Taylor, equal; Boright and Campbell (K.), equal; Russell, Mackenzie, MacLennan, Jaquays, Angus, Day, Sadler. *Class III.*—Davey; Campbell (R.) and Tatley, equal; Anderson and Ross (J. K.), equal; Colquhoun, Pritchard; Leach and Mewhort, equal; Davis and Lyman, equal; Tener, Allen, Carmichael, Davidson, Grisbrook, Smyth, Williams.

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ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—James (*Prize*), Killaly; Hickson and Seymour (M.), equal; Le Rossignol; Brown (J. T.) and Gurd, equal; Botterell (F. A.) and Cleland, equal. *Class II.*—Brown (J.) and Macdonald, equal; Miller, Mills, Gordon; Elliott and Honeyman and Jackson and Lee and Thompson and White, equal; Allen (G. F.) and Hodgins, equal; Internoscia and McVicar (A.) and Mansur, equal; McLean, Jordan. *Class III.*—Byers and Coffin and Hutchison and Munn and Townsend, equal; Mahaffy and Skeels, equal; Fairclough, McGerrigle, Fraser (F.C.), Naylor; Ballantyne (J.) and Vipond, equal; Reay; Hunter and Morrison, equal; Brown (C L) and Ireland, equal; Adams (J. R.) and Stearns, equal; Brittain and MacLaren, equal; Smith, Donahue, Boyd.

MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Sutherland, Moss, McVicar, Tolmie, Hunter, Binmore. *Class II.*—Cameron and Botterell (J. T.), equal; Abbott, Daley, Walsh. *Class III.*—Reid, Macfarlane, Parker, Ross, Paton, Henderson.

THIRD YEAR.—*Class I.*—Robins, Ellenwood, Oliver, Goff; Macdougall and Pattison, equal; Warne (J. F.). *Class II.*—Moffatt, Young, Moore (L.), Whyte (G). *Class III.*—McGregor (E. B.) and McLeay and Warne (W. A.), equal; Cole and McLeod, equal; McMillan, Whyte (J. T.); Hall (B.) and Smith, equal; Tees, Hall (R. S.), Dobson, Hipp.

ASTRONOMY AND OPTICS.

B A. ORDINARY.—*Class I.*—Tory; Mathewson and Walsh, equal; Abbott and Davidson, equal; Tolmie, Binmore. *Class II.*—Hunter and McVicar, equal; Parker, Fry, Sutherland. *Class III.*—Mack, Kinghorn; Elliott, (J. A.) and Hall, equal; Ross, Paton.

THIRD YEAR.—*Class I.*—Oliver, Pattison, McLeay, Robins. *Class II.*—None. *Class III.*—Dobson, Guthrie, McLeod, Hipp.

EXPERIMENTAL PHYSICS. *Light and Heat.*

B.A. ORDINARY.—*Class I.*—Tory, Sutherland; Daley and Davidson, equal; Tolmie, Ross, Mathewson. *Class II.*—Walsh, Kinghorn, Moss, Reid. *Class III.*—Cameron, McVicar, Fraser.

THIRD YEAR.—*Class I.*—Oliver, McGregor, MacDougall, Goff, Cole, Whyte (George), * Ferguson. *Class II.*—Tees, McLeod. *Class III.*—Holden, Whyte (Jas. T.); Dobson and Guthrie, equal.

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Cushing and Ross (R. O. R.), equal; Taylor; Barron and Kollmyer and Robins and Wood, equal; Jaquays; Archibald and Davey, equal; Pritchard and Pitcher, equal; Mitchell; Boright and Campbell (K.), equal; McCoy. *Class II.*—Sadler, Brown, Parker,

Tatley, Anderson, Allen; Angus and MacKenzie, equal. *Class III.*—Day, Graham, Macdonald; Leach and Messenger and Williams, equal; Davis; Blachford and Russell, equal; Lyman, Smyth, Ellicott, Morris, Hunt, Colquhoun; Jekill and Raynes, equal; Carmichael, Campbell (R.), Robertson, MacLennan, Davidson.

First Year.—*Class I.*—Fairclough, Killaly, McVicar (A.), Gordon, Hickson, Mansur; LeRossignol and Reay, equal; Jordan; Allen and James, equal; Mahaffy and White, equal; Smith, Hodgins, Brown (J.), Gurd, Thompson. *Class II.*—Honeyman and McGerrigle and Townsend, equal; Jackson. *Class III.*—McVicar (R.); Hunter and Millar, equal; Fraser and Ireland, equal; Brown (C.L.) and Lee and Stearns, equal; Internoscia, Naylor, Hutchison; Adams (J.B.) and Ballantyne (J.) and Botterell and Skeels, equal; Boyd, Seymour, Donahue; Gerrie and Mills and Munn, equal; Brittain.

TRIGONOMETRY AND ALGEBRA.

Second Year.—*Class I.*—Pitcher, Wood, Cushing, Messenger, Barron, Archibald, Kollmyer; Robins and Taylor, equal; Ross (R. O. R.) *Class II.*—Boright, Mackenzie, Davey, Parker, Jaquays. *Class III.*—Blachford; Campbell (K. M.) and Pritchard, equal; Russell, Davidson, Ellicott, Angus, Raynes; Colquhoun and Mitchell and Tatley, equal; Allen; Hunt and Mewhort and Robinson, equal; Brown, Williams, Smyth; Graham and Leach and MacLennan, equal; Lyman, Ross (J. K.)

First Year.—*Class I.*—Mansur, Brown (J.), White; Fairclough and Hickson, equal; Gordon and Jordan, equal; Townsend, Stearns, Thompson. *Class, II.*—Smith, Honeyman, Naylor; Gurd and Hunter and McGerrigle and McVicar, equal; Brown (C. L) and James and Seymour, equal; Lee and LeRossignol and Mahaffy, equal. *Class III.*—Killaly, Ireland, Fraser, Reay, Millar; Ballantyne (J.) and Jackson and Munn, equal; Mills; Allen and McVicar (R.), equal; Brittain, Hutchison; Boyd and Donahue and Internoscia, equal; Byers, Skeels, Hodgins.

Honour Examinations in Mathematics and natural Philosophy.

B.A.—*First Bank Honours.*—Tory H. M. (*Anne Molson Gold Medal*).
Second Year.—*First Rank Honours.*—Wood (*Prize*); Robins (*Prize*).
First.—*First Bank Honours.*—Brown (Jas.) (*Prize*); Fairclough.
*Second Rank Honours.*—Jordan (*Prize.*)

FRENCH.

B.A. Ordinary.—*Class I.*—Abbott, Binmore, Mathewson, *Johnson (N.) *Class II.*—Hall, Davidson, Cameron. *Class III.*—Ross.

Third Year.—*Class I.*—Moffatt (*Prize*), Pattison, McGregor (J. M.), Oliver, Whyte, Young, Smith, Ellenwood. *Class II.*—Tees, McGregor (E. B.) *Class III.*—Cole, McLeay.

Second Year.—*Class I.*—Archibald (*Prize*), Boright (*Prize*), Barron; McDonald and Wood, equal; *Blachford (A. C.) and Kollmyer and Robins, equal; Angus, Raynes; Campbell (R.) and *Johnson (H.) *Class II.*—Mitchell;

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Leach and Lyman, equal; Cushing and Pitcher, equal; Davidson and Taylor, equal. *Class III.*—Allen and Messenger and Parker, equal; Blachford (H.) and Smyth, equal; Carmichael; Hunt, Day; Mewhort and Ross, equal; Brown and Tatley, equal; *Mussen, Graham.

FIRST YEAR.—*Class I.*—Jackson (*Prize*), Hickson (*Prize*), Mansur. *Class II.*—Fairclough, Reay, Millar, Donahue, Kirk, McGerrigle, Honeyman, Le Rossignol. *Class III.*—Killaly and Lee and MacVicar, equal; Seymour, James; Botterell and Gurd and Jordan, equal; Allen and Mills, equal; Internoscia, Hodgins, Brown (C.), Skeels; Munn and Stearns, equal; Thompson; Ballantyne and Brown (J.), equal; Brittain.

GERMAN.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Botterell (J.). *Class III.*—Botterell (H.I.R.), McFarlane.

THIRD YEAR.—*Class I.*—Ellenwood. *Class II.*—Hall, McMillan, McGregor.

SECOND YEAR.—*Class I.*—Mewhort, Archibald (*Prize*), Boright (*Prize*), Tatley, Angus. *Class II.*—Pitcher, McDonald; Campbell (K. M.) and Campbell (R.), equal; Davidson. *Class III.*—Lyman and Raynes, equal; Leach, Ross (J. K.), Williams, Jekill.

FIRST YEAR.—*Class I.*—Jackson (*Prize*), Botterell, Seymour, LeRossignol; Fairclough and Millar, equal; McDonald, Seymour, White. *Class II.*—Mills. *Class III.*—Byers, Coffin.

HEBREW.

ADVANCED COURSE.—*Class I.*—Swanson, McAlpine, (*Prize*), Russell (A.), Finch. *Class II.*—Richardson, McGregor (A. W.), Dobson. *Class III.*—McLeod, Craig (G.), Moore (C.).

INTERMEDIATE COURSE.—*Class I.*—Daley, Ross (R. O.), (*Prize*), Reid (W. D.). *Class II.*—Tener, Caldwell, Davey. *Class III.*—Kennedy (J.), Colquhoun, Flagg, Anderson (J. D.), Russell (Wm.), Davis, Eadie, McLennan (K.), Sanderson, Morris.

ELEMENTARY COURSE.—*Class I.*—McArthur, Gordon, (*Prize*), Townsend, Cleland, Gunn, Burnett, Mahaffy. *Class II.*—Gourlay, Massicotte, Barnby, McKinley, Mackenzie, Adams (J. R.), Ireland. *Class III.*—Hunter, Hipp, Smith (E. P. M.), Maynard (M.), McVicar (A.), Ballantyne, Hutchison.

GEOLOGY.

B.A. ORDINARY.—*Class I.*—Robertson, Derick, Fry, Trenholme, Abbott, Botterell (H. J.), Binmore. *Class II.*—Cameron; Mack and Mathewson, equal; Hall and MacDougall, equal; McGregor, Richardson, Kinghorn, Botterell (J.), McFarlane. *Class III.*—Paton, *Hausen, Henderson, Finch, Swanson.

*Additional Department (Practical Geology and Palæontology).—Class I.*—Fry. *Class II.*—* Hausen (Partial), Richardson, McGregor.

HONOUR EXAMINATION IN NATURAL SCIENCE.

B.A. *First Rank.*—Derick, Carrie M. (Logan Gold Medal); Robertson, Andrew A. (Medal Prize); Botterell (H. Inez R.); Trenholme, Edward C.

*Third Year.—First Rank.*—Warne James F.; Warne William A.

ZOOLOGY.

THIRD YEAR.—*Class I.*—LeRossignol (*Prize*), McDougall, Gunn, Pattison (*Lyman Prize*), Robins, Warne (J.), Smith, Finley (Partial), Warne (W.); Clendennen (Partial) and Hall (B.) and Holden and McAlpine, equal; Flagg, Oliver, McLeay, Goff, Hall (R. S.), McGregor (E.), Tees, Moffatt. *Class II.*—Cole, Moore (L.), Hipp, McGregor (J. M.), Ellenwood; McMillan and Pidgeon, equal; Young. *Class III.*—Whyte (J. T.), Craik, Russell.

*Medical Students.—Class II.*—Beaman. *Class III.*—Lamb.

BOTANY.

B.A. ORDINARY.—*Class I.*—Derick and Robertson, equal.

SECOND YEAR.—*Class I.*—Barron (*Prize*), Parker, Kollmyer, Tatley; Pitcher and *McArthur, equal; Cushing, Boright, Campbell (K. M.); Davey and Pritchard and Ross (R. O. R.), equal; Anderson; Mackenzie and Mitchell, equal; *McKinley; Archibald and *Logan, equal; Blachford and Smyth, equal; Raynes; Jekill and *Barnby, equal; Morris. *Class II.*—Graham; Hunt and Sadler and Jaquays, equal; Grisbrook; Messenger and McLennan, equal; Macdonald, Brown, *Eadie; Leach and Taylor and *Burnett, equal; Mewhort, Davidson; Angus and Williams, equal; Carmichael and Colquhoun, equal. *Class III.*—Lyman and *Tener, equal; McLeod (N. A. D.), Campbell (R.), *Ross (J. K.), Day, Russell, Gourley, Sanderson, Allen, Robertson, Davis.

CHEMISTRY.

FIRST YEAR.—*Class I.*—*Patton, Cleland, White (*Prize*), Gordon, Reay (*Prize*). *Class II.*—Gurd and Munn, equal; James and Millar, equal; Murray; Elliott and Killaly, equal; Mansur, Jackson (M L); Hickson and Townsend, equal; Hodgins and MacDonald, equal; McVicar (A.), Ballantyne (J), Brown (J. T.); Naylor and Thompson, equal. *Class III.*—Mahaffy; Brittain and Fairclough, equal; Brown (J.); Botterell and Mills, equal; Morrison, Kennedy, Internoscia; Ballantyne (Robt.) and Jordan, equal; MacInnes; LeRossignol and Smith (Ed), equal; Hutchison, Seymour, Adams (J. R.), Honeyman, McLaren, Skeels, Coffin, McLean, Allan, Byers, Brown (C. L.).

Passed (*unclassified*).—Lee, Stearns, Gerrie.

Passed in PRACTICAL CHEMISTRY.—*Class I.*—White. *Class II.*—None. *Class III.*—Stearns.

*Passed in earlier Examinations.*—Dougall, Chantler, Massicotte.

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## GYMNASTICS.

WICKSTEED. *Silver Medal.* J. J. Ross.—Student of fourth year.

WICKSTEED. *Bronze Medal.* H. M. JAQUAYS.—Student of second year.

DONALDA DEPARTMENT.—SIR DONALD SMITH'S Prizes.

*Fourth Year.*—ANNIE WILLIAMS.

*Second Year.*—LOUISE SMITH.

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## MORRIN COLLEGE.

### B.A. ORDINARY EXAMINATION.

GREEK.—*Class I.*—Craig.

LATIN.—*Class I.*—Brodie. *Class II.*—DesBrisay, Craig, Anderson.

MECHANICS AND HYDROSTATICS.—*Class I.*—None. *Class II.*—Craig, Brodie. *Class III.*—McCullough, DesBrisay, Anderson.

ASTRONOMY AND OPTICS.—*Class I.*—Brodie. *Class II.*—DesBrisay. *Class III.*—Anderson, McCullough.

MORAL PHILOSOPHY.—*Class I.*—Brodie, DesBrisay. *Class II.*—Anderson and Craig, equal.

HISTORY.—*Class I.*—Brodie. *Class II.*—DesBrisay, Anderson. *Class III.*—McCullough.

FRENCH.—*Class I.*—None. *Class II.*—Brodie, DesBrisay. *Class III.*—Anderson.

HEBREW.—*Class I.*—Craig. *Class II.*—McCullough.

### INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—None. *Class II.*—Drum, Sloane. *Class III.*—McHarg, Tanner, Logie.

LATIN.—*Class I.*—None. *Class II.*—Drum, Sloane, Logie. *Class III.*—McHarg, Tanner.

LATIN PROSE COMPOSITION.—*Class I.*—None. *Class II.*—Drum, Logie, Sloane. *Class III.*—McHarg, Tanner.

TRIGONOMETRY AND ALGEBRA.—*Class III.*—Drum, Sloane, Tanner, McHarg.

GEOMETRY AND ARITHMETIC.—*Class I.*—Drum. *Class II.*—Logie. *Class III.*—Sloane, McHarg, Tanner.

LOGIC.—*Class I.*—Drum. *Class II.*—None. *Class III.*—McHarg and Tanner, equal; Sloane, Logie.

ENGLISH LITERATURE AND HISTORY.—*Class I.*—Drum. *Class II.*—McHarg, Logie. *Class III.*—Sloane, Tanner.

FRENCH.—*Class I.*—Drum. *Class II.*—McHarg. *Class III.*—Sloane.

HEBREW.—*Class I.*—None. *Class II.*—Logie. *Class III.*—Tanner.

## ST. FRANCIS COLLEGE.

INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Fraser.
LATIN.—*Class II.*—Fraser.
LATIN PROSE COMPOSITION.—*Class I.*—Fraser.
TRIGONOMETRY AND ALGEBRA.—*Class II.*—Fraser.
GEOMETRY AND ARITHMETIC.—*Class I.*—Fraser.
LOGIC.—*Class I.*—Fraser.
ENGLISH LITERATURE AND HISTORY.—*Class I.*—Fraser.
FRENCH.—*Class I.*—Fraser.

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## FACULTY OF APPLIED SCIENCE.

### GRADUATING CLASS.

RICHARD SMITH LEA.—The Stanley Silver Medal; special British Association Prize of $30.00; $25 Prize for Summer Report; certificates of merit in Theory of Structures, Hydraulics, Steam and Designing.

EDWARD ERNEST STUART MATTICE.—British Association Exhibition of $50; certificates of merit in Steam, Hydraulics and Designing.

PERCY NORTON EVANS.—British Association Gold Medal; Prize for Summer Report; certificate of merit in Metallurgy.

ROBERT HENRY JAMIESON.—Certificate of merit in Mineralogy.

GEORGE W. MOONEY.—Gower Prize ($25) for Mechanical model; certificates of merit in Mechanical Work, Machinery and Millwork, and Designing.

PETER WHITEFORD REDPATH.—Certificates of merit in Mechanical Work, Machinery and Millwork, and Designing.

SIDNEY CALVERT.—First rank honours in Natural Science.

ARTHUR EDWARD SHUTTLEWORTH.—Certificate of merit in metallurgy.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

**Civil Engineering** (*Advanced Course*).

IN ORDER OF MERIT.

RICHARD SMITH LEA, EDWARD ERNEST STUART MATTICE.

**Civil Engineering** (*Ordinary Course*).

IN ORDER OF MERIT.

RICHARD SMITH LEA, EDWARD ERNEST STUART MATTICE, ORRIN REXFORD, ALBERT HOWARD HAWKINS, WILLIAM SIMEON DENISON, CHARLES HERBERT ELLACOTT, CHESTER BOWDITCH REED.

**Mechanical Engineering.** (*Advanced Course*).

GEORGE WALWORTH MOONEY.

*Ordinary Course.* (In order of merit.)

PETER WHITEFORD REDPATH, GEORGE WALWORTH MOONEY.

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**Practical Chemistry.** (*Advanced Course.*)

PERCY NORTON EVANS.

*Ordinary Course.* (In order of merit.)

PERCY NORTON EVANS, ARTHUR EDWARD SHUTTLEWORTH, WILLIAM SMAILL, SIDNEY CALVERT, ROBERT HENRY JAMIESON.

THIRD YEAR.

ERNEST ALBERT STONE.—Scott Exhibition of $66; certificates of merit in Mathematical Physics, Descriptive Geometry, Theory of Structures, Surveying, and Mathematics. Second Prize for Instrumental work (Levelling).

WILLLIAM JARDINE BULMAN.—Certificate of merit in Descriptive Geometry and Mathematics. Second Prize for Instrumental work. (Levelling).

ROBERT BICKERDIKE.—First Prize for Instrumental work (Levelling).

WILLIAM HENRY H. WALKER.—Prize for summer report; certificate of merit in Experimental Physics.

HUGH YELVERTON RUSSEL.—Certificate of merit in Mining.

PRIZES FOR GENERAL STANDING.

**Civil Engineering.**

ERNEST ALBERT STONE,—First Prize.

WILLIAM JARDINE BULMAN,—Second Prize.

**Mining Engineering.**

WILLIAM HENRY H. WALKER,—First Prize.

**Mechanical Engineering.**

HENRY MARTYN RAMSAY,—First Prize.

PASSED THE SESSIONAL EXAMINATIONS.

SECOND YEAR.

JOHN MURRAY MCGREGOR.—Certificates of merit in Mathematics, French, English, Mechanism, Surveying.

PETER HENRY LEROSSIGNOL.—Scott Exhibition of $66; Burland Chemistry Prize; certificates of merit in English, French, Mathematical Physics, Experimental Physics, Descriptive Geometry, Practical Chemistry, Botany and Theoretical Chemistry.

WILLIAM HENRY WARREN.—Certificates of merit in Descriptive Geometry, Practical Construction and Mechanical Work.

FOREST RUTHERFORD.—Certificates of merit in Mechanical Work and Practical Construction.

PRIZES FOR GENERAL STANDING.

MINING ENGINEERING.—John Murray McGregor, First Prize.

PRACTICAL CHEMISTRY.—Peter Henry LeRossignol, First Prize.

PASSED THE SESSIONAL EXAMINATION.

CIVIL ENGINEERING COURSE (in order of merit).—Thomas M. McLeod, Ellsworth Bolton, Louis B. Copeland, James G. R. Wainwright.

MINING ENGINEERING COURSE (in order of merit).—John Murray McGregor, Charles B. Kingston.

MECHANICAL ENGINEERING COURSE (in order of merit).—William H. Warren, Forest Rutherford, William N. Cunningham, W. C. Gregory Smart.

PRACTICAL CHEMISTRY (in order of merit).—Peter Henry LeRossignol, William C. Adams, Alonzo Klock, Walter D. McFarlane.

FIRST YEAR.

HOWARD TURNER BARNES.—Certificates of merit in Mathematics, Chemistry and Drawing.

ALEXANDER SCOTT DAWSON.—Certificates of merit in English, Mathematics, Sanitation and Chemistry.

LOUIS HERDT.—Certificate of merit in Mathematics.

LOUIS GREENBERG.—Certificate of merit in Mathematics.

ROBERT CLAUDE HOLMAN.—Certificate of merit in Mathematics.

FRANK LAMBERT.—Certificate of merit in Sanitation.

PRIZES FOR GENERAL STANDING.

HOWARD TURNER BARNES.—First Prize.

ALEXANDER SCOTT DAWSON.—Second Prize.

PASSED THE SESSIONAL EXAMINATIONS.

*In order of merit.*

Howard Turner Barnes, Alexander Scott Dawson, Louis Herdt; Louis Greenberg and Robert Claude Holman, equal: Henri Herdt, William Arthur Bowden, Frank Lambert, John Dougall Cochrane, Arthur W. K. Massey, Robert A. Gunn, David A. Murphy.

SUMMER REPORT.

FOURTH YEAR.—*Class I.*—Lea (*Prize, Standpipes*); Evans (*Citric Acid*) and Mattice (*Cornwall Canal Enlargement*), equal; Ellacott (*Brockville Sewerage System*) and Shuttleworth (*Quantitative Analysis of Titaniferous iron ore*), equal; Jamieson (*Extraction of Glycerine from Spent-Lye*). *Class II.*—Redford (*Stanstead Granite*) and Smaill (*Portneuf Geology*), equal; Denison (*Steam*); Hawkins (*Bay of Quinté Bridge*) and Mooney (*Governors*) and Redpath (*Transmission of Power*), equal; *Class III.*—Reed (*Cement and Concrete*), Calvert (*Oats*).

THIRD YEAR.—*Class I.*—Walker (*Prize, Springhill Coal Mines*), Middleton (*A Spoon Dredge*). *Class II.*—Russell (*Londonderry Iron Mines*) and Wingham (*Loco. Frames*), equal; Bickerdike (*Vaudreuil and Prescott Ry.*); Stone (*Baie des Chaleurs Ry.*) and Klock (2nd year), (*Phosphorus*), equal; Ramsay (*Files and Filing*); Stuart (*Mt. Royal Incline Ry.*) and Williams (*Boilers*), equal. *Class III.*—Schwitzer (*Lake Temiscamingue Col. Ry.*), Bulman.

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FREEHAND DRAWING.

FIRST YEAR.—*Class I.*—Barnes, Herdt (L.), Murphy, Greenberg, Cochrane. *Class II.*—Herdt (H.), Darling, Costigan, Massey, Gunn Bowden. *Class III.*—Holman, Churchill, Dawson, Lambert, Lorway.

MAPPING.

FIRST YEAR.—*Class I.*—Barnes; Murphy and Greenberg, equal; Cochrane. *Class II.*—Herdt (L.), Massey, Herdt (H.), Churchill, Darling, Bowden, Dawson, Lambert; Costigan and Holman, equal. *Class III.*—Gunn, Lorway.

DESCRIPTIVE GEOMETRY.

THIRD YEAR.—(*Civil and Mechanical*)—*Class I.*—Bulman, Stone. *Class II.*—Bickerdike, Schwitzer, Wingham, Ramsay, Middleton. *Class III.*—Williams, Stuart.

THIRD YEAR.—(*Mining*)—*Class II.*—Walker. *Class III.*—Russel.

SECOND YEAR.—*Class I.*—Warren, LeRossignol, McGregor. *Class II.*—Copeland, Cunningham; Rutherford and McLeod, equal; Bolton and Stevenson, equal; Kingston, Adams. *Class III.*—McFarlane, Wainwright, Purves, Smart, Klock, Ryan.

MECHANISM.

SECOND YEAR.—*Class I.*—McGregor. *Class II.*—Rutherford, McLeod, Kingston; Cunningham and Murphy, equal. *Class III.*—Purves, Copeland, Smart, Tighe, Bolton, Wainwright, Ryan; Warren and Featherston, equal.

PRACTICAL CONSTRUCTION.

FOURTH YEAR.—*Class II.*—Redpath, Mooney.

THIRD YEAR.—*Class I.*—Middleton, Ramsay. *Class II.*—Williams, Wingham.

SECOND YEAR.—*Class I.*—Warren, Rutherford. *Class II.*—Cunningham. *Class III.*—Smart and Pink and Simpson, equal.

MECHANICAL WORK.

FOURTH YEAR.—*Class I.*—Mooney and Redpath, equal.

THIRD YEAR.—*Class I.*—Middleton and Ramsay, equal. *Class II.*—Wingham. *Class III.*—Williams.

SECOND YEAR.—*Class I.*—Rutherford, Warren, Smart. *Class II.*—Cunningham, Pink. *Class III.*—Simpson.

GEOMETRY OF MACHINERY.

THIRD YEAR.—*Class II.*—Middleton, Ramsay, Wingham, Williams.

SURVEYING.

THIRD YEAR.—*Class I.*—Stone, Bulman. *Class II.*—Bickerdike, Schwitzer.

SECOND YEAR.—*Class I.*—McGregor. *Class II.*—Copeland, Kingston, Warren, Rutherford, McLeod, Purves, Bolton; Cunninghan and Rankine, equal; Stevenson, Ryan. *Class III.*—Wainwright, Smart; Murphy and Simpson, equal; Featherston.

DESIGNING.

FOURTH YEAR.—*Class I.*—Lea, Redpath, Mooney, Mattice. *Class II.*—Rexford, Hawkins, Ellacott, Denison. *Class III.*—Reed.

THEORY OF STRUCTURES (*Advanced*).

FOURTH YEAR.—(*Civil Engineering.*)—*Class I.*—Lea, Mattice. (*Mechanical Engineering*).—*Class I.*—(None). *Class II.*—Mooney.

THIRD YEAR.—*Class I.*—Stone. *Class II.*—Bickerdike.

THEORY OF STRUCTURES (*Ordinary*).

FOURTH YEAR.—(*Civil Engineering.*)—*Class I.*—Lea, Mattice. *Class II.*—Rexford. *Class III.*—Hawkins, Denison, Reed, Ellacott. (*Mechanical Engineering*).—*Class I.*—None. *Class III.*—Redpath. *Class III.*—Mooney.

THIRD YEAR.—*Class I.*—Stone. *Class II.*—Walker, Bickerdike; Bulman and Schwitzer, equal; Wingham, Ramsay. *Class III.*—Williams; Stuart* and Russell, equal; Middleton.*

* To pass a supplemental in Analytical Mechanics.

HEAT (*Advanced*).

FOURTH YEAR.—(*In order of merit*).—Lea, Mattice, Mooney.

HEAT (*Ordinary*).

FOURTH YEAR.—*Class I.*—Lea, Mattice, Mooney, Redpath. *Class II.*—Denison, Hawkins, Rexford. *Class III.*—Ellacott and Reed, equal.

HYDRAULICS (*Advanced*).

FOURTH YEAR.—(*In order of merit*).—Lea, Mattice.

HYDRAULICS (*Ordinary*).

FOURTH YEAR.—*Class I.*—Lea, Mattice. *Class II.*—Redpath, Mooney. *Class III.*—Denison, Hawkins, Rexford; Ellacott and Reed, equal.

MACHINERY AND MILLWORK.

FOURTH YEAR.—*Class I.*—Mooney, Redpath.

THIRD YEAR.—*Class I.*—(None). *Class II.*—Middleton, Ramsay, Wingham. *Class III.*—Williams.

MATERIALS.

SECOND, THIRD AND FOURTH YEARS.—(*Civil and Mechanical Engineering*).—*Class I.*—Mattice, Stone. *Class II.*—Bickerdike, Rexford, Ellacott, Warren, Rutherford; Hawkins and Smart and Mooney, equal; Cunningham, Wingham, Reed, Bulman. *Class III.*—Redpath, Denison, Bolton, McLeod, Middleton, Schwitzer, Tighe, Wainwright, Copeland, Ramsay.

MATERIALS (*Metallurgy*).

SECOND, THIRD AND FOURTH YEARS.—(*Chemistry and Mining Courses*).—*Class I.*—Evans, Walker, Jamieson, Shuttleworth. *Class II.*—McGregor and Smaill, equal; Russel, Calvert. *Class III.*—Purves.

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CHEMISTRY (*Practical*).

FIRST YEAR.—*Class I.*—Barnes, Holman, Dawson, Gunn*; Cochrane and Herdt (H.), equal; Bowden and Darling*, equal; Costigan and Greenberg and Herdt (L.), equal; Massey*, Lorway*, Murphy* (D.).

* Supplemental in Theoretical Chemistry.

SECOND YEAR.—(*Chemistry Course.*)—*Class I.*—LeRossignol; Klock and MacFarlane, equal. *Class II.*—Adams, Jackson (Oc.).

SECOND YEAR.—(*Mining Course.*)—*Class I.*—McGregor. *Class II.*—None. *Class III.*—Kingston.

THIRD YEAR.—(*Mining Course.*)—*Class I.*—Walker. *Class II.*—Russel.

ESSAY.

FOURTH YEAR.—*Class I.*—Calvert and Evans, equal; Lea and Shuttleworth, equal; Mattice and Jamieson and Smaill, equal. *Class II.*—Rexford and Redpath, equal; Hawkins and Mooney, equal. *Class III.*—Denison and Ellacott and Reed, equal.

THIRD YEAR.—*Class I.*—Stone, Walker. *Class II.*—Bickerdike and Wingham, equal; Russel; Bulman and Middleton and Stuart, equal; Williams and Ramsay, equal. *Class III.*—Schwitzer.

SECOND YEAR.—*Class I.*—LeRossignol. *Class II.*—Adams; Stuart and Bolton and Copeland, equal; Rankine; Cunningham and Pink and Klock and Rutherford and McGregor and McLeod and Featherston, equal. *Class III.*—Purves and McFarlane, equal; Tighe; Warren and Murphy and Ryan, equal; Stevenson.

CHEMISTRY (*General*).

FIRST YEAR.—*Class I.*—Dawson, Barnes, Bowden. *Class II.*—Greenberg, Herdt (L.), Herdt (H.), Cochrane, Lambert, Holman. *Class III.*—Costigan, McLeod (2nd Year).

SECOND YEAR.—(*Chemistry Course*)—*Class I.*—LeRossignol, Adams, Klock. *Class II.*—None. *Class III.*—Jackson (Oc.), MacFarlane.

SECOND YEAR.—(*Mining Course*)—*Class I.*—None. *Class II.*—McGregor. *Class III.*—Kingston, Purves.

THIRD YEAR.—(*Mining Course*)—*Class I.*—Walker. *Class II.*—None. *Class III.*—Russel.

FOURTH YEAR.—(*Chemistry Course, Ordinary*)—*Class I.*—Evans. *Class II.*—Smaill, Shuttleworth, Calvert, Jamieson.

FOURTH YEAR.—(*Chemistry Course, Advanced*)—*Class I.*—Evans.

MINING.

THIRD YEAR.—*Class I.*—Walker, Russel.

MINERALOGY (*Advanced*).

THIRD YEAR.—(*Mining Course*)—*Class I.*—Walker. *Class II.*—Russel.

Passed in Theoretical Mineralogy only.—*Class I.*—Ferguson.

FOURTH YEAR.—(*Chemistry Course*)—*Class I.*—Calvert and Jamieson, equal. *Class II.*—Evans, Smaill, Shuttleworth.

ASSAYING.

FOURTH YEAR.—(*Chemistry Course*)—*Class I.*—Evans. *Class II.*—Smaill, Jamieson, Calvert, Shuttleworth.

ZOOLOGY.

SECOND YEAR.—*Class I.*—McLeod, Bolton, Ryan. *Class II.*—Stevenson, McGregor, Murphy, Wainwright, Featherston. *Class III.*—Purves, Copeland, Rankin.

GEOLOGY.

THIRD AND FOURTH YEARS.—*Class I.*—Russel, Stone, Walker. *Class II.*—Bulman, Smaill, Jamieson, Bickerdike. *Class III.*—Stuart, Schwitzer.

BOTANY.

SECOND YEAR.—*Class I.*—Le Rossignol. *Class II.*—Adams. *Class III.*—Klock, McFarlane.

MATHEMATICS.

THIRD YEAR.—(*Advanced*).—*Class I.*—Stone. *Class III.*—Bickerdike.

THIRD YEAR.—(*Ordinary*).—*Class I.*—Stone, Bulman. *Class II.*—Bickerdike, Schwitzer. *Class III.*—Stuart.

SECOND YEAR.—*Class I.*—McGregor, McLeod. *Class II.*—Bolton, Copeland. *Class III.*—Cunningham, Purves, Murphy, Featherston, Warren, Rutherford, Smart, Wainwright, Simpson, Kingston.

FIRST YEAR.—*Class I.*—Holman, Greenberg, Herdt (L.), Barnes, Dawson, Herdt (H). *Class II.*—Bowden, Cochrane. *Class III.*—Lambert, Massey, Gunn, Taylor,* Murphy.†

* To pass a supplemental in Geometry.
† " " " " Algebra.

MATHEMATICAL PHYSICS.

THIRD YEAR.—*Class I.*—Stone, Bickerdike, Russel. *Class II.*—Ramsay. *Class. III.*—Wingham, Middleton, Walker, Schwitzer; Bulman and Stuart and Williams, equal.

SECOND YEAR.—*Class I.*—LeRossignol, Adams, McGregor. *Class II.*—McLeod, Bolton, Warren. *Class III.*—Cunningham, Copeland, Rankin, Kingston; Simpson and Stevenson, equal; Rutherford, Murphy, Featherston, Purves, McFarlane, Smart, Ryan; Klock and Tighe and Wainwright, equal.

EXPERIMENTAL PHYSICS.

THIRD YEAR.—*Class I.*—Walker, Stone, Bulman, Russel, Wingham. *Class II.*—Stuart, Bickerdike, Schwitzer. *Class III.*—Middleton, Ramsay.

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SECOND YEAR.—*Class I.*—Le Rossignol. *Class II.*—Warren; Klock and Rutherford, equal; Adams. *Class III.*—Wainwright, Copeland, Rankine; Bolton and McFarlane and Simpson, equal; Tighe; McLeod and Purves and Stevenson, equal; Cunningham and Pink, equal; Murphy, Featherston, Smart.

ENGLISH.

THIRD YEAR.—*Class I.*—Bickerdike, Walker, Wingham. *Class II.*—(None). *Class III.*—Middleton; Bulman and Russel, equal; Stuart, Ramsay, Schwitzer, Williams.

SECOND YEAR.—*Class I.*—McGregor and LeRossignol, equal. *Class II.*—McFarlane, Tighe, Cunningham; Bolton and Klock and Simpson and Wainwright, equal. *Class III.*—Adams and Rutherford, equal; Pink and Purves and Warren, equal; Rankine, Featherston; Ryan and Stevenson, equal; Smart, Copeland, McLeod.

FIRST YEAR.—*Class I.*—Dawson, Lambert, Bowden, Barnes; Herdt (L.) and Taylor, equal. *Class II.*—Holman, Gunn, Greenberg, Darling, Herdt (H.). *Class III.*—Massey, Costigan, Murphy, Cochrane.

FRENCH.

FIRST YEAR.—*Class I.*—None. *Class II.*—Herdt (L), Greenberg, Dawson, Lambert. *Class III.*—Taylor, Herdt (H.), Bowden, Gunn, Massey, Darling, Lorway.

SECOND YEAR.—*Class I.*—LeRossignol (*certificate of merit*) and McGregor, equal. *Class II.*—Adams, McLeod. *Class III.*—Rankine, McLeod, Featherston, Copeland.

GERMAN.

FIRST YEAR.—*Class I.*—Barnes, Cochrane. *Class II.*—None. *Class III.*—Holman, Murphy (D.A.).

SECOND YEAR.—*Class I.*—Cunningham (*certificate of merit*). *Class II.*—None. *Class III.*—Rutherford, Murphy (P.J.); Tighe and Bolton, equal.

LETTERING.

SECOND YEAR.—*Class I.*—Warren, Wainwright, Copeland; Purves and Ryan, equal; McGregor. *Class II.*—Rutherford; Smart and Murphy and Bolton, equal; Stevenson, Rankine, Cunningham. *Class III.*—McLeod, Featherston, Pink, Simpson, Tighe.

FIRST YEAR.—*Class I.*—Barnes, Greenberg, Murphy. *Class II.*—Cochrane Herdt (Louis), Massey, Herdt (Henry), Churchill, Darling, Bowden, Dawson, Lambert. *Class III.*—Holman, Costigan, Gunn, Lorway.

METEOROLOGY.

FOURTH YEAR.—*Class II.*—Mooney, Denison, Hawkins.

# FACULTY OF VETERINARY SCIENCE.

## PRIZES.

Silver Medal, for the best general examination on all pass subjects during the three years of study, awarded to R. N. Walsh.

Veterinary Medicine and Surgery.— 1st prize, L. E. Willyoung ; 2nd prize, J. F. Scott.

Chemistry.—1st prize, S. S. Twombly ; hon. mention, J. A. McCrank.

Anatomy.—1st prize, J. F. Scott ; 2nd prize, L. E. Willyoung.

Physiology.—1st prize, Geo. E. Macaulay ; hon. mention, S. S. Twombly.

Histology.—Prize, S. S. Twombly ; hon. mention, J. W. Moffatt.

Botany.—Prize, J. W. Moffatt ; hon. mention, J. Plaskett.

Materia Medica.—Prize, J. S. Twombly ; hon. mention, G. E. Macaulay.

Pathology.—L. E. Willyoung.

Veterinary Obstetrics and Diseases of Cattle.—1st prize, R. N. Walsh ; 2nd prize, L. E. Willyoung.



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## SESSION 1889-90.

## McGILL COLLEGE.

### FACULTY OF LAW.

#### FIRST YEAR.

| | | | |
|---|---|---|---|
| Hutcheson, Robert B., | Montreal, Q | Truell, Harry V., | Barnston, Q |
| Ryan, Percy C., | Ottawa, O | | |

#### SECOND YEAR.

| | | | |
|---|---|---|---|
| Hatchette, Francis J., | Montreal, Q | Hibbard, Frederick Wm., | Dublin |
| Geoffrion, Victor, | Montreal, Q | | |

#### THIRD YEAR.

| | | | |
|---|---|---|---|
| Ambrose, J. D. L., | Montreal, Q | Kneeland, Warren A., | Montreal, Q |
| England, Geo. P., | Sheffal, Q | Pelletier, Hormisdas Rémi, | Marieville, Q |
| Girouard, Désire Howard, | Montreal, Q | Vipond, Thomas John, | Montreal, Q |
| Harvey, Alfred Eugen, | Stanstead, Q | | |

#### PARTIAL.

| | | | |
|---|---|---|---|
| Bickerdike Frank, | Montreal, Q | Paton John, | Largs, Ayrshire, Scotland |
| Menard Etienne, | | Williamson Thos., | Sanquhar, Scotland |
| Owens, Thomas P., | Drogheda, Ireland | | |

### FACULTY OF MEDICINE.

Addy, G. A. B., St. John, N.B.
Akerly, A. W. K., Fredericton, N.B.
Alexander, W. W., Stanhope, P.E.I.
Anderson, Norman, Montreal, Q.
Ault, C. R., Tilsonburg, Ont.
Ault, C. A., Oshkosh, Wis.
Aylen, E. D., Aylmer, Q.

Barrett, H. H., Three Rivers, Q.
Benny, R., Riverfield, Q.
Berwick, R. H., Farnham, Q.
Berwick, G. A., Farnham, Q.
Beers, A. H., Montreal, Q.
Binmore, J. E., Montreal, Q.
Bissett, C. P., River Bourgeois, N.S.
Blunt, H. W., West Bolton, Q.
Bowes, E. J., Ottawa, O.
Bostwick, W. E., Montreal, Q.

Boyce, B. F., Norham, O.
Bowen, G. A., Compton, Q.
Bowie, R. A., Brockville, O.
Brouse, J. E., Brockville, O.
Bruce, W. A., Grand View, N.S.
Brown, F. G. A., Brockville, O.
Brown, J. A., Sarnia, O.
Brown, W. A., Chesterville, O.
Brunette, J. T., Cornwall, O.
Broderick, E. J., B.A., Fredericton, N.B.
Brousseau, J. A., Ottawa, O.
Busby, J., Pontview, Q.
Burritt, C. H., B.A., Mitchell, O.

Campbell, Robert, Laggan, O.
Carroll, B. W., Stratford, O.
Cameron, J. W., L'Orignal, O.
Carmichael, H. B. W., Montreal, Q.

Calkin, B. H., Kentville, N.S.
Cadaw, C. M., Campbellford, O.
Campbell, John, Longueuil, Q.
Chipman, R. J., Halifax, N.S.
Chabot, J. L., Ottawa, O.
Clark, John, Troy, O
Clarke J. W., Tatamagouche, N.S.
Clemesha, J. C, Port Hope, O.
Clune, P. J., Warkworth, O.
Cooper, M. A., Ormstown, Q.
Connolly, A. J., Lennoxville, Q.
Coburn, A. D, Keswick Bridge, N.S.
Corbin, F. G., Bedford, N.S.
Col man, A. H., Belleville, O.
Curtis, I. B., Hartland, N.B.

Day, A. R., Guelph, O.
Day, S. W., St. Thomas, O.
Dewar, G. F, New Peril, P.E.I.
Dewar, A. F., Kertch, O
Dewar, A., Ormond, O.
Decks, W. E., B.A., N. Williamsburg, O.
DuVernet, E., Gagetown, N.B.
Duncan, G. H., Duncanville, O.

Ellis, W. L., St. John, N.B.
Ellis, T. H., Pembroke, O.
Esty, A. S., Keswick Ridge, N.B.
Evans, D. J., Montreal, Q.

Farwell, W. A., Lennoxville, Q.
Feron, Frank, Montreal, Q.
Fletcher, R. W., Londonderry, N.S.
Flemming, G W., Chipman, N.B.
Fraser, M. S., Brandon, Man.
Fulton, Cyril, Greenmore, O.
Fulton, J. A., Franklin, Q.

Girdlestone, C. P., Winnipeg, Man.
Gibson, R. J., Clinton, O.
Glendenning, R. G., Trumanville, N.S.
Goff, H. N., Newport, P.E.I.
Gorrell, A. S., Brockville, O.
Graham, W. C. R., Prescott, O.
Grant, H. A., Pembroke, O.
Greene, T. J., Carleton Place, O.
Grafton, E. A., Montreal, Q.
Gunter, F. B., Fredericton, N.B.

Halliday, V., Peterboro', O.
Hattie, W. H, New Glasgow, N.S.
Hamilton, W. F. Peterboro, O.
Hamilton, W. F., Sackville, N.B.
Hamilton, H. D., Montreal, Q.
Harrison, J. W., Fredericton, N.B.
Harris, N. M., Stella, O.
Hayes, P. H., Montreal, Q.
Hayes, Jno., Richmond, Q.
Hayes, Joseph, Nelson, N.B.
Hall, J. M., Franklin, Q.

Haight, Mortimer, New Durham, O.
Hewitson, S. W., Georgetown, O.
Hewitson, John, Riverside, O.
Henderson, J. G., Warkworth, O.
Hogg, D. H., Winnipeg, Man.
Holden, D. B, Montreal, Q.
Hume, G. N. L., Leeds, O.

Inksetter, W. E., Copetown, O.
Internoscia, A., Montreal, Q.
Irving, E., Pembroke, O.
Irwin, H., Pembroke, O.
Irwin, A. F., Chatham, O.

Jack, DuVernet, Fredericton, N.B.
Jakes, W., Merrickville, O.
Jamieson, W. H., Montreal, Q.
Jameson, Thos., Buffalo, N.Y.
Jenkins, W. E., Conquerall Bank, N.S.
Jento, C. P., Brockville, O.
Johnson, Albert, Ottawa, O.
Jones, W. A., Clandeboye, O.

Kee, D. N., Fordyce, O.
Keir, E. J., Malpeque, P.E.I.
Kelley, C. I., West Flamborough, O.
Kemp, . . D., Montreal, Q.
King, H. S., Sarnia, O.
Kinghouse, H. M., ——, U.S.
Kyle, J. N., North Winchester, O.

Lambert, E. M., Ottawa, O.
Lambly, W. O., Montreal, Q.
Lang, F. W., St. Marys, O.
Langley, A. F., Victoria, B.C.
Lawrence, J. W., Lower Dumfries, N.B.
Leslie, A. C., Grand Forks, U.S.
Lewin, A. A, St. John, N.B.
Lewis, J. T., Hillsboro, N.B.
Liddell, G. L., Cornwall, O.
Lindsay, Wm., St. Mary's, O.
Livingstone, H. A., Montreal, Q.
Love, A., New Glasgow, N.S.
Lovering, W. F., Seattle, U.S.

Mackay, R. B., Toronto, O.
Mackay, H. H., Plainfield, N.S.
Mackenzie, A. U. X., Smithfield, O.
MacPhail, J. A., B.A., Montreal, Q.
Mair, A. W., Clinton, O.
Main, C. G., St. Andrews, N.B.
Mader, A. I., New Canada, N.S.
Martin, C. F., B.A., Montreal, Q.
Martin, M. McL., Brown's Creek, P.E.I.
Martin, S. H., Savage Mines, Q.
Matheson, R., Cardigan, O.
Martin, C. H., Lacolle, Q.
Massiah, W. B. H., Barbadoes, W.I.
McArthur, A. D., Kennmore, O.
McCann, E. A. A., Montreal, Q.

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McKenzie, A. R., Montreal, Q.
McKenzie, R. J., Melbourne, Q.
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McLellan, K., Dunvegan, O.
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McMillan, J. H., Pictou, N.S.
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McMurrin, R. F., Richmond, Q.
McNally, H. H., Fredericton, N.B.
Meade, C. J., Morrisburg, Ont.
Meikle, W. F., Morrisburg, O.
Mills, W. C., Montreal, Q.
Moore, J. M., Belleville, O.
Morrow, W. S., Halifax, N. S.
Morris, O., Pembroke, O.
Morris, F. X., Fareville, N.B.
Morphy, A. G., B.A., London, O.
Mulligan, E. A., Aylmer, Q.
Murray, M. W., Beachwood, O.
Mutch, P. R., St. John's, N.F.

Neil, John, Aylmer, Q.
Nichol, H. J. S., Montreal, Q.
Noble, C. T., Sutton West, O.

O'Connor, C., Worcester, Mass.
Ogden, C. L., Warrensburg, U.S.
Oliver, A. J., Lennoxville, Q.
Outwater, S. W., Plainfield, O.

Patterson, Wm., New Glasgow, N.S.
Paterson, L., Harbor Grace, Nfld.
Patton, H. M., B.A., Montreal, Q.
Parke, G. H., Quebec, Q.
Parker, G. W., Cardigan, O.
Peake, J. P., Fredericton, N.B.
Phelan, E. D, Montreal, Q.
Phillimore, R. H., Cookshire, Q.

Quirk, E. M., Montreal, Q.

Read, F. W., Ramsey, Hants, Eng.
Reid, J. T., Montreal, Q.
Richards, S., Ottawa, O.
Robinson, H. J., Brockville, O.
Robinson, B. E., Orillia, O.
Robertson, E. A., Lennoxville, Q.
Robertson, W., Chesterfield, O.
Robertson, T. F., Brockville, O.
Rodgers, W. A., East Settlement, Q.
Rodgers, W., Montreal, Q.
Rorke, R. F., St. Thomas, O.
Ross, A. R., Quebec, Q.
Ross, J., Halifax, N.S.

Seane, J. W., Chatham, O.
Scammell, J. H., St. John, N.B.
Seaton, J. S., St. John, N.B.
Scott, W. H., Owen Sound, O.
Seguin, J. W. A., Rigaud, Q.
Semple, E. J., Montreal, Q.
Shaw, G. F., Ottawa, O.
Shaw, Thos. P., Montreal, Q.
Sherriff, G. R., Franklin, Q.
Sinclair, O. W., Bridgetown, N.B.
Smith, T. H., North Sidney, C.B.
Smith, W. H., Winnipeg, Man.
Smith, W. D, Plantagenet, O.
Smith, C. F., West Winchester, O.
Smith, A. G., St Marys, O.
Sparling, A. J., Pembroke, O.
Spier, J. R, Lindsay, O.
Stuart, J. A., Clarenceville, Q.

Taplin, M. M., Addison, O.
Taylor, J. N., Ottawa, O.
Taylor, T. T., Chatham, O.
Telfer, W. J., Burgovne, O.
Thompson, J., Moulinette, O.
Thompson, F. E., Winnipeg, Man.
Tomkins, J. E. C., Coaticook, Q.
Trenholm, G. A., Coaticook, Q.
Trenholm, A. M., Trenholmville, Q.
Travers, J. B., St. John, N.B.
Tremblay, L., Ottawa, O.
Troy, W., Valleyfield, Q.
Tunstall, C. A., Montreal, Q.

Wade, A. S., Perth, O.
Walsh, T. N., Ormstown, Q.
Walsh, W. E., Ormstown, Q.
Walker, W. G., Stratford, O.
Walker, J. L., Montreal, Q.
Wasson, H. J, Peterboro', O.
Watson, N. M, Williamstown, O.
Webster, R. E., Brockville, O.
Whyte, J T., Montreal, Q.
White, D. D., Montreal, Q.
Wilson, Robert, Montreal, Q.
Wilson, R D., Derby, N.B.
Wilson, W. A., Derby, N.B.
Williamson, W. P., Chatham, O.
Williamson, H. M., Guelph, O.
Woodruff, E. H., St. Catharines, O.
Yates, H. B., Brantford, Ont.
Yearwood, C. A., Barbadoes, W.I.
Yorston, F. S., Truro, N.S.

## FACULTY OF ARTS.

### *Undergraduates.*

#### FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Adams, James R., | Private Tuition, | Toronto, O |
| Allen, G. Fred., | Waterloo Academy, | Waterloo, Q |
| Boyd, Leslie H., | H. S., Montreal, | Montreal, Q |
| Brown, Cecil L., | Huntingdon Academy, | Port Lewis, Q |
| Brown, James, | Huntingdon Academy, | Huntingdon, Q |
| Brunet, Léandre, | Sabrevois College, | Montreal, Q |
| Byers, W. Gordon M., | H. S., Gananoque, | Gananoque, Q |
| Coffin, James H., | Private Tuition, | Montreal, Q |
| Dawson, Percy M., | Private Tuition, | Montreal, Q |
| Demers, Placide, | Sabrevois College, | Roxton Falls, Q |
| Donahue, Wm., | H. S., Montreal, | Montreal, Q |
| Gerrie, Wm. A., | H. S., Fergus, | Fergus, O |
| Gordon, John S., | Prince of Wales College, P.E.I., | Alberton, P.E.I |
| Gurd, Charles C., | H.S., Montreal, | Montreal, Q |
| Hickson, J. W. A., | Eliock School, Montreal, | Montreal, Q |
| Hodgins, Lionel, | Shawville Academy, | Shawville, Q |
| Honeyman, H. A., | Stanstead Wesleyan College, | Knowlton, Q |
| Hunter, John N., | Clifton College, England, | Clifton, Eng. |
| Hutchison, David, | Private Tuition, | Brechin, O |
| Internoscia, Jérome, | Technical Institute, Italy, | Montreal, Q |
| Ireland, George D., | Prince of Wales College, P.E.I., | Alberton, P.E.I |
| Jordan, John E., | Coaticook Academy, | Coaticook, Q |
| Killaly, H. N., | Trinity College School, Port Hope, | Morrisburg, O |
| Lewis, W. P., | Sabrevois School, | Iberville, Q |
| McGerrigle, J. A., | Huntingdon Academy, | Ormstown, Q |
| MacKeracher, W. M., | H. S., Montreal, | Howick, Q |
| MacVicar, Robert M., | Eliock School, Montreal, | Montreal, Q |
| McVicar, Arch., | Strathroy Collegiate Inst., | Strathroy, O |
| Mahaffy, Albert, | H. S., Goderich, | Port Albert, O |
| Mansur, Charles, | Stanstead Wesleyan College, | Stanstead, Q |
| Mitchell, Albert T. G., | Sabrevois College, | Montreal, Q |
| Munn, Stewart M., | H. S., Montreal, | Montreal, Q |
| Naylor, Henry A., | Shawville Academy, | Shawville, Q |
| Page, A., | Tavistock Gram. School, England, | Oakhampton, Eng |
| Skeels, Albie A., | H. S., Montreal, | Montreal, Q |
| Smith, E. F. McL., | H. S., Hawkesbury, | Hawkesbury, Q |
| Stearns, Chas. F. N., | Private Tuition, | Montreal, Q |
| Thompson, James, | Lachute, | Bristol, Q |
| Townsend, Wm. McN., | Prince of Wales Coll., P.E.I., | Traveller's Rest, P.E.I |
| White, Alfred H., | H. S., Peoria, | Peoria, Ill., U.S |

#### SECOND YEAR.

| | | |
|---|---|---|
| Allen, James H., | St. Catharines, O., | West Osgoode, O |
| Anderson, John D., | Private Tuition, | Tiverton, O |
| Archibald, Edward, | H. S., Montreal, | Montreal, Q |
| Aylen, Ernest D., | Lachute Academy, | Aylmer, Q |
| Barron, Robt. H., | Lachute Academy, | Lachute, Q |
| Blachford, Henry, | Huntingdon Academy, | Huntingdon, Q |
| Brown, Daniel, | Huntingdon Academy, | Morris Flats, Q |
| Carmichael, S., | Bishop's College School, | Montreal, Q |
| Cushing, Harold B., | H. S., Montreal, | Montreal, Q |
| Davey, R. George, | Whitby Collegiate Institute, | Whitby, O |
| Davis, Ernest A., | Huntingdon Academy, | Morris Flats, Q |

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|---|---|---|
| Day, Maurice B., | H. S, Montreal, | Montreal, Q |
| Drum, Lorne, | Bishop's College School, | Quebec, Q |
| Ellicott, T. W. H, | H. S., Montreal, | Montreal, Q |
| Flinn, John W., | Pictou Academy, N.S., | Wallace, N.S |
| Fraser, Alex. D., | Huntingdon Academy, | Dundee, Q |
| Gaisbrook. Ed. O., | Private Tuition, | Sarnia, O |
| Jaquays, H. M., | Sutton Academy, | Sutton, Q |
| Jekill, Henry, | Dioc Theological College, | Morris Flats, Q |
| Kollmyer, W. Hector, | H. S., Montreal, | Montreal, Q |
| Mackenzie, Ewen A., | H. S., Goderich, | Lucknow, O |
| McLennan, Kenneth, | H. S., Alexandria, | Alexandria, O |
| Messenger, Wm. John, | Private Tuition, | Navarro, Cal., U.S |
| Mitchell, Robt. J. W., | H. S., Montreal, | Montreal, Q |
| Morris, John T., | Whitby Collegiate Inst., | Whitby, O |
| Pritchard, Wm. S., | H. S., Harriston, | Redgrave, O |
| Read, George E., | Cherville College, | Romsey, Eng |
| Robertson, A., | H. S, Weston, | Woodbridge, O |
| Robins, Geo. D., | H. S., Montreal, | Montreal, Q |
| Ross, Robert O., | Baddock Acad, C.B., | Margaree, C.B |
| Russell, Wm., | H. S., Montreal, | Matane, Q |
| Sadler, Thomas A., | Huntingdon Acad., | Dewittville, Q |
| Smyth, Walter H, | H. S., Montreal, | Montreal, Q |
| Taylor, James, | Ottawa Collegiate Inst., | Ottawa, O |
| Williams, Edward J., | H. S., Pembroke, | Montreal, Q |
| Wood, Arthur B., | H. S., St. Johns, Q., | St. Johns, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Cole, Arthur A., | Montreal, Q | McLeay, Alfred A., | Danville, Q |
| Craik, Galen, | Rockburn, Q | McLeod, Norman A. D., | Lochside, N.S |
| Dobson, John R., | Pictou, N.S | Moore, Levi, | Lachute, Q |
| Ellenwood, Wm. R., | Yarmouth, N.S | Moore, Samuel, | Mille Isles, Q |
| Goff Harry N., | Georgetown, P.E.I | Oliver, William, | Rockburn, Q |
| Gunn, Wm. Thos., | Montreal, Q | Pidgeon, G. C., | New Richmond, Q |
| Guthrie, Donald, | Guelph, O | Reeves, Arch. C., | Ormstown, Q |
| Hall, Richard S., | Montreal, Q | Russell, Andrew, | Bristol. Q |
| Hipp, E. G., | Montreal, Q | Tees, John, | Montreal, Q |
| Holden, Arthur R., | Montreal, Q | Warne, James F., | Eastman, Q |
| LeRossignol, W. J., | Montreal, Q | Warne, Wm. A, | Eastman, Q |
| McAlpine, John J., | Welland, O | Whyte, George, | Leeds Village, Q |
| McDougall, G. W., | Montreal, Q | Whyte. Jas T., | Manotick. O |
| McGregor, John M., | Montreal, Q | Young, Henry C., | North Troy, Vt., U.S |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Cameron, John A., | Huntingdon, Q | Mack, Silas W., | Ayer's Flat, Q |
| Colclough, Wm. F., | St. Catharines, O | Mathewson, George H., | Montreal. Q |
| Daley, James, | Stouffville, O | Moss, W. T. D., | Portage la Prairie, Man. |
| Davidson, Peers, | Montreal, Q | Nicholls, Albert G., | Montreal, Q |
| Elliott, Edward A., | Ulverton, Q | Parker, John, | Leeds Village, Q |
| Elliott, James A., | Shawville, Q | Paton, W. E., | Sherbrooke, Q |
| Finch, C. W., | Caledonia, O | Reid, William D., | Maple Hill, Q |
| Fraser, D. J., | Alberton, P.E.I | Richardson, P. L., | Lyn, O |
| Fry, Fred. M., | Montreal, Q | Robertson, Andrew A., | Montreal, Q |
| Hall, Alex. R., | Montreal, Q | Ross, Joseph J., | Dewittville, Q |
| Hunter, Alexander, | Bute, Q | Sutherland, Hugh C., | Embro, O |
| Kinghorn, H. M., | Montreal, Q | Swanson, Isaac J., | Stouffville, Q |
| McDougall, Robert, | Ormstown, Q | Tolmie, Alexander, | Montreal, Q |
| McDuffee, Lewis P., | Stansted, Q | Tory, Henry Marshall, | Guysboro', N.S |
| McGregor, A. M., | Montreal, Q | Trenholme, Edward C., | Montreal, Q |
| McVicar, Donald | Strathroy, O | Walsh, Alex. W., | Huntingdon, Q |

*Partial and Occasional.*

*Partial Students are indicated by the asterisk.*

*Adams, Robt., Sarnia, O
*Ballantyne, Robt. L., Dunbar, O
*Barnby, Robt. H., Lucknow, O
Bickerdike, Frank A. C., Montreal, Q
*Blunt, Forest H., Knowlton, Q
Blunt, Simon B., Knowlton, Q
Bowden, Wm. A.,
Burke, Thos. E., Farran's Point, O
*Burnett, Herbert W., Toronto, O
*Cameron, Malcolm J., Cowansville, Q
*Chantler, Wm. N., West Assa
Charles, Guillaume, Montreal, Q
*Church, Athole, Montreal, Q
*Cleland, John A., Montreal, Q
*Clendinnen, George S., Ottawa, O
Darling, Edward,
Dawson, Alexander Scott,
Dempster, Wm. J.,
*Dixon, James C., Montreal, Q
*Eadie, Robt. E., Sherbrooke, Q
*Flagg, Edwin L., Morrisburg, O
*Elliott, Alex., Shawville, Q
*Fraser, Frank C., Montreal, Q
*Gault, M. H., Montreal, Q
Giroulex, L. R., Duclos, Q
Kennedy, John, Conn. Co., Wellington, O
Ker, John, Montreal, Q
Logan, Alfred, Musquodoboit, N.S

Caldwell, Henry, Carney, O
*Dougall, Fred. E., Montreal, Q
Ferguson, A. H., Montreal, Q
Gourlay, John J. L., Carp, O
*James, K. G. H., Montreal, Q
Read, R. A.,

*Judge, Percival E., Montreal, Q
Maynard, Moise, Ste. Brigide, Q

Baillie, J. E. S.,
Hausen, T., Montreal, Q

*Macaulay, Alexander, Montreal, Q
*Macdiarmid, Arch. A., Dornoch, O
*McArthur, John H., Kilbride, Q
McCuaig, William,
*McInnes, John P., Vankleek Hill, O
*McKinley, George, Seaforth, O
McLaren, Duncan T., Montreal, Q
McLaren, Narcisse, Chicoutimi, Q
*McLean, Neil, Vankleek Hill, O
*Massicotte, Léopold, Montreal, Q
Maynard, Joseph, Ste. Brigide, Q
Moore, Church M., Economy, Col. Co., N.S
*Morison, W. T., Ormstown, Q
*Murray, Jas. H., Glen Willow, O
*Orr, Wm., Ottawa, O
Patton, Walter M., Montreal, Q
*Rollitt, Charles D., Montreal, Q
Rondeau, S. P., Joliette, Q
Sauvé, Narcisse A., Hull, Q
Savignac, Joseph A., Tulleride, Col., U.S
Strong, John J., Cambria, Q
*Vipond, Chas. W., Montreal, Q
Waterson, Wm. J. Mc., Vankleek Hill, O
Wilkinson, Thos. J.,
Wilson, J. H., Montreal, Q

Ryan, Percy C., Montreal, Q
Sanderson, Albert E.,
Stevenson, J. A.,
*Tener, Richard, Montreal, Q
Tunstall, Charles A., Montreal, Q

St. Aubin, T. S., Ste. Philomène, Q

*Mitchell, Thos. A., Linder, N.S
Tripp, Frederick, Spenceville, O

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## SPECIAL COURSE FOR WOMEN.

### *Undergraduates.*

#### FIRST YEAR.

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Ballantyne, Jessie, | G. H. S., Montreal, | Montreal, Q. |
| Botterell, Florence A., | Trafalgar Institute, Montreal, | Montreal, Q. |
| Brittain, Isabel J., | G. H. S., Montreal, | Montreal, Q. |
| Carter, Agnes A., | Cowansville Academy, | Cowansville, Q. |
| Fairclough, Lizzie M., | Hamilton Collegiate Institute, | Hamilton, O. |
| Jackson, Annie, | Misses Symmers and Smith, | Montreal, Q. |
| James, Agnes S., | McGill Normal School, Montreal, | Montreal, Q. |
| Lee, Mabel, | H. S., Quebec, | Quebec, Q. |
| LeRossignol, Mary, | G. H. S., Montreal, | Montreal, Q. |
| Millar, Edith N., | McGill Normal School, | Montreal, Q. |
| Mills, Jennie, | Stanstead College, | Montreal, Q. |
| Reay, Janet, | McGill Normal School, | Melbourne, Q. |
| Seymour, Matilda, | Mrs. Lay's School, | Montreal, Q. |

#### SECOND YEAR.

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Angus, Frances R., | G. H. S., Montreal, | Montreal, Q. |
| Boright, Mabel, | Sutton Ac., | Sutton, Q. |
| Campbell, Kate M., | G. H. S., Montreal, | Montreal, Q. |
| Campbell, R. F., | McG. Normal School, | Montreal, Q. |
| Davidson, Clara F. M., | | Frelighsburg, Q. |
| Hunt, Louisa E., | McGill Normal School, | Lennoxville, Q. |
| Leach, Milda, | Misses Symmers & Smith, | Montreal, Q. |
| Lyman, Helen W., | G. H. S., Montreal, | Montreal, Q. |
| McCoy, Emma C., | Huntingdon Ac., Q., | Rockburn, Q. |
| MacDonald, Minnie L., | G. H. S., Montreal, | Montreal, Q. |
| Mewhort, Louise, | | St. Anne, Q. |
| Mooney, Caroline J., | | Montreal, Q. |
| Pitcher, Ethelwyn, | H. S., Morrisburg, | Montreal, Q. |
| Raynes, Ethel, | G. H. S., Montreal, | Montreal, Q. |
| Ross, Jessie K., | G. H. S., Montreal, | Montreal, Q. |
| Tatley, Eleanor, | Private Tuition, | Montreal, Q. |

#### THIRD YEAR.

| | | | |
|---|---|---|---|
| Hall, Bessie, | Montreal, Q | Pattison, Mary L., | Clarenceville, Q |
| McGregor, E B., | Montreal, Q | Robins, Lilian B., | Montreal, Q |
| McMillan, Helen, | Montreal, Q | Smith, G. Louise, | Montreal, Q |
| Moffatt, Eva L., | Gananoque, O | | |

#### FOURTH YEAR.

| | | | |
|---|---|---|---|
| Abbott, Maude M., | St. Andrew's, Q | Henderson, Mary J., | Montreal, Q |
| Binmore, Elizabeth, | Montreal, Q | Macfarlane, Mira, | Montreal, Q |
| Botterell, H. Inez R., | Montreal, Q | Scott, Sara B., | Montreal, Q |
| Botterell Jeanie T., | Montreal, Q | Williams, Annie, | Montreal, Q |
| Derick, Carrie M., | Clarenceville, Q | | |

### *Partial.*

| | | | |
|---|---|---|---|
| Macdonald, Jessie H., | Montreal, Q | McFee, Donalda, B.A. | |
| Finley, Greta, | | | |

*Occasional.*

| | | | |
|---|---|---|---|
| Abbott, Alice F. M., | St. Andrew's, Q | Seymour, Julia L., | Montreal, Q |
| Brown, Jessie, | Montreal, Q | Squire, Maud M., B A., | Cote St. Antoine, Q |
| Hendrie, Lillian M., | Cote St. Antoine, Q | | |
| Kirk, Mabel, | Montreal, Q | Stone, Alice, | Montreal, Q |
| Mackeand, Kate, | Montreal, Q | | |
| Ames, Mary C., | Montreal, Q | Linton, Florence, | Montreal, Q |
| Bagg, Helen F., | Montreal, Q | Mattice, Brenda, | Montreal, Q |
| Bazin, Lydia C., | Montreal, Q | Macfarlan, Jessie, | Montreal, Q |
| Blachford, Agnes C., | Montreal, Q | McGowan, Ada A., | Montreal, Q |
| Bremner, Jennie M., | Montreal, Q | Monk, Isa M., | Montreal, Q |
| Campbell, E. M., | Montreal, Q | Mussen, Ethel I., | Montreal, Q |
| Darey, Hattie, | Montreal, Q | Prentice, Annie E., | Montreal, Q |
| Dawson, Winifred, | Montreal, Q | Radford, Annie E., | Montreal, Q |
| Dyer, Evelyn, | Montreal, Q | Scott. Julia A., | Newark, N.J., U.S. |
| Hanson, Alice M., | Montreal, Q | Sinclair, Constance M., | Montreal, Q |
| Holden, Ella E , | Montreal, Q | Sinclair, Minnie H., | Montreal, Q |
| Holland, Gertrude, | Montreal, Q | Stewart, Jessie W., | Montreal, Q |
| Johnson, H., | Montreal, Q | Trenholme Florence T., | Cote St. Antoine, Q |
| Johnson, Nugent, | Montreal, Q | | |
| Lawless Lucinda, | Montreal, Q | | |
| Blackader, Helen | Montreal, Q | Kennedy, L. Marion, | Montreal, Q |
| Dawson, Hilda, | Montreal, Q | Turner, Edith, | Montreal, Q |
| Cochrane, Elizabeth M., | Montreal, Q | Evans, Mabel N., | Montreal, Q |
| Duggan, Mildred S., | Montreal, Q | | |

## MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Blue, John H. F., | Metis, Q. | Logie, Edward S., | Leeds, Q. |
| Brodie, A., | Quebec, Q. | Macadam, Bessie, | Glasgow, Scot. |
| Brown, Martha Lucinda, | Quebec, Q. | Macadam, Maggie, | Glasgow, Scot. |
| Chambers, E. T. C., | Granby, Q. | McCullough, Robert, | Inverness, Q. |
| Drum, Lorne, | Quebec, Q. | McHarg, Robert J., | Quebec, Q. |
| Gale, Ethel, | Quebec, Q. | McLeod, Thos. G. J. McT., | Chatham, N.B. |
| Lindsay John, | Danville, Q. | Sloane, Samuel T., | Quebec, Q. |
| Livingstone, Neil, | Hampden, Q. | Tanner, John F. E., | Levis, Q. |

*Occasional Students.*

| | | | |
|---|---|---|---|
| Duchêne, Henri J. | | Polley, John | |
| Hardy, John | | Rattray, David John | |
| McDonald, Simon | Quebec, Q. | | |

## ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Coburn, A. B., | Melbourne, Q | Lyster, N. C., | Montreal, Q |
| Dickson, Sydney, | Trenholmville, Q | Lyster, H. F., | Montreal, Q |
| Dickson, E. T., | Kingsey, Q | McHang D., | Maple Hill, Q |
| Ewing, T. A., | Coaticook, Q | McKenzie, T. F., | Richmond, Q |
| Fraser, Hortense C., | Durham, Q | McKenzie, L. F., | Richmond, Q |
| Fraser, H. N., | L'Avenir, Q | Moore J. G., | Kingsey, Q |
| Hewitt, Edith, | London, Ont. | Prendergast, A. R., | Montreal, Q |
| Howard, C. M., | Wolfe Island, Q | | |

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## FACULTY OF APPLIED SCIENCE.

### FIRST YEAR.

Barnes, Howard Turner, Montreal
Bowden, William Arthur, Richmond, Q
Cochrane, John Dougall, Montreal
Costigan, James Shearer, Montreal
Dawson, Alexander Scott, Pictou, N.S.
Greenberg, Louis, Montreal
Gunn, Robert A., Montreal
Herdt, Henry, Montreal
Herdt, Louis, Montreal
Holman, Robert Claude, Summerside, P. E. I.
Lambert, Frank, London, Eng.
Massey, Arthur W. K., Montreal
Murphy, David A., Montreal
Taylor, Richard Nutting, Charlottetown, P. E. I.

### SECOND YEAR.

Adams, Walter Chamblet, Montreal
Bolton, Ellsworth, Listowel, O
Copeland, Louis Benjamin, Berthier, Q
Cunningham, William Norton, Montreal
Featherston, John Hamilton, Montreal
Fraser, William Foster, Pembroke, O
Kingston, C. B., Montreal
Klock, Alonzo, Aylmer, Q
Lawrie, William Pitt, Quebec
Le Rossignol, Peter Henry, Montreal
MacFarlane, Walter Douglas, Montreal
McGregor, John Murray, Montreal
McLeod, Thos. M., Georgetown, P.E.I.
Murphy, Peter James, Quebec
Pink, Lawrence Naismith, Pembroke, O
Rankin, John, Montreal
Rutherford, Forest, Montreal
Ryan, Arnold James, Rouse's Point, N.Y.
Simpson, Lincoln, Cavendish, P.E.I.
Smart, W. C. Gregory, Hamilton, O
Turner, John Alexander, Hamilton, O
Wainwright, Jas. Geo. R., St. Andrews, Q.
Warren, William Henry, Montreal

### THIRD YEAR.

Bickerdike, Robert, Montreal
Bulman, William Jardine, Sweetsburg, Q
Middleton, Percy Howe, Montreal
Ramsay, Henry Martyn, Montreal
Russell, Hugh Yelverton, Montreal
Schwitzer, John Edward, Ottawa
Stone, Ernest Albert, Montreal
Stuart, Henry B., Montreal
Walker, William Henry H., Montreal
Williams, Miles Lawrence, Montreal
Wingham, Thomas Henry, Montreal

### FOURTH YEAR.

Calvert, Sidney, Rochdale, Eng.
Denison, William Simeon, Denison's Mills, Q
Ellacott, Charles Herbert, Montreal
Evans, Percy Norton, Montreal
Hawkins, Albert Howard, Listowel, O
Jamieson, Harry Robert, Montreal
Lea, Richard Smith, Crapaud, P.E.I.
Mattice, Ernest Edward S., Cornwall, O
Mooney, George Walworth, Montreal
Redpath, Peter Whiteford, Montreal
Reed, Chester Bowditch, Chicago, U.S.A.
Smaill, William, Montreal
Shuttleworth, Arthur E., Mount Albert, O

### *Partial Students.*

Churchill, John Howard, Coaticook, Q
Darling, Edward, Montreal
Drummond, George L. P., Montreal
Dudderidge, William. Lachute, Q
Ellenwood, William R., Yarmouth, N.S.
Gurd, Charles C., Montreal
Herdt, George, Montreal
Jackson, F. S., Montreal
Kirkpatrick, John J., South Hadley Falls, U.S.A.
Lorway, John Muir, Sydney, C.B.
Purves, J. G., North Sydney, C.B.
Stearns, C. F., Montreal
Stevenson, James A., South Granby Q.
Tighe Jas., South Hadley Falls, U.S.A.

## FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

| | |
|---|---|
| Barton, Frank J., | Lennoxville, Que |
| Bolger, D. L., | Cambridge, Mass., U.S. |
| Brodie, H., jr., | Montreal, Que. |
| Cannon, A. G. C., | Milwaukee, Wis., U.S. |
| Comstock, D. B., | Miles City, Mont., U.S. |
| Crossman, Geo. S., | Brushton. N.Y., U.S. |
| Darling, Andrew, | Montreal, Que. |
| Dunton, H. B., | Richmond, Que. |
| Dyer, R. E., | Boston, Mass., U S |
| Ewing, Jas. A., | Montreal, Que. |
| Gangloff, G. E., | Buffalo, N.Y., U. S. |
| Gorham, A. W., | Alstead, N.H., U S. |
| Hadley, Andrew, | North Georgetown, Que. |
| Hayman, J. M., | Boissevain, Man. |
| Henderson, E. P., | Chelsea, Mass., U.S. |
| Higginson, C. M., | L'Orignal, Ont. |
| Joel, C. L., | Fitchburg, Mass, U.S. |
| Lamb, A. S., | Montreal, Que. |
| Lathrop, Virgil, | Albany, N.Y., U.S. |
| Lee, Geo. H., | Brighton, Mass., U.S. |
| Lofgren, O. C., | Sauk Centre, Minn., U.S. |
| Macaulay, G. E., | Salem, N.Y., U.S. |
| MacMartin, A. P., | St. Andrews, Que. |
| McCrank, J. A., | Plantagenet, Ont. |
| McDonald, D. M., | Laggan, Ont. |
| McDonald, T. B., | Boston, Mass., U.S. |
| McDougall, James, | Montreal, Que. |
| McGlue, J., | Lynn, Mass., U.S. |
| McNaughton, D. D., | Laggan, Ont. |
| Moffatt, Sam., | Ormstown, Que. |
| Moffett, Joe N., | Kingfisher, I.T., U.S. |
| Miller, Geo. A., | Granby, Que. |
| Perley, H. S., | Ottawa, Ont. |
| Plaskett, Joseph, | Montreal, Que. |
| Pote, Thomas, | New Harmony, Ind., U.S. |
| Ramsay, R. A., | Eden Mills, Ont. |
| Rathburn, J. S, | Montreal, Que. |
| Robb, Ed. M., | Montreal, Que. |
| Robertson, A. T., | Howick, Que. |
| Seale, J. H., | Granby, Que. |
| Scanlan, H., | Montreal, Que. |
| Scott, Jas F., | Cote St. Michel, Que. |
| Simpson, T. C., | St. Andrews, Que. |
| St. Louis, D, | Ormstown, Que. |
| Sturrock, Thos., | Laggan, Ont. |
| Townsend, Geo., | New Glasgow, N.S. |
| Twombly, S.S., | Fayetteville, Arkansas, U.S. |
| Walsh, R. N., | Huntingdon, Que. |
| Watson, John, | Beauharnois, Que. |
| Wells, Geo. P., | Cochrane, N.W.T. |
| Willyoung, L. E., | Albion, N.Y., U.S. |

## SUMMARY.

| | | | |
|---|---|---|---|
| Students in Law, McGill College | | | 18 |
| " in Medicine " | | | 258 |
| " in Arts " | | | |
| Men | Undergraduates | 137 | |
| | Partial | 33 | |
| | Occasional | 39 | |
| Women | Undergraduates | 45 | |
| | Partial | 3 | |
| | Occasional | 43 | 300 |
| " in Arts, Morrin College, Undergraduates and Partial | | | 23 |
| " " St. Francis College, Undergraduates | | | 15 |
| " Applied Science, McGill College:— | | | |
| | Undergraduates | 61 | |
| | Partial | 14 | 75 |
| " Veterinary Science | | | 51 |
| Total number of Students | | | 740 |
| Deduct entered in two Faculties | | | 4 |
| | | | 736 |
| McGill Normal School Teachers-in-training | | | 86 |
| Total | | | 822 |

MCGILL UNIVERSITY LIBRARY

# School Examinations.

## STANDING IN THE EXAMINATIONS 1890.

### ASSOCIATES IN ARTS.

I. *Candidates under* 18 *years of age.*

*Class I.*

| No. | | | |
|---|---|---|---|
| 5. | William W. Craig (High School, Montreal), } equal, | 1210 | Marks |
| 8. | William A. Duff (High School, Montreal), } | | |
| 46 | M. Gertrude Summerhayes (Girls' High School, Montreal), | 1146 | " |
| 19. | Herbert Molson (High School, Montreal), | 1142 | " |
| 12. | John Jenkins (High School, Montreal), | 1120 | " |
| 17. | Ralph B. McDunnough (High School Montreal), | 1108 | " |

*Class II.*

| | | | |
|---|---|---|---|
| 35. | Lilian N. Evans (Girls' High School, Montreal), | 1076 | " |
| 25. | Fred. D. Rogers (High School, Montreal), } equal, | 1048 | " |
| 55. | Robert M. Harper (High School, Quebec), } | | |
| 30. | Robert Wilson (High School, Montreal), | 1039 | " |
| 41. | Ethel S. Radford (Girls' High School, Montreal), | 1028 | " |
| 56. | Henry N. Thomson (High School, Quebec), | 1025 | " |
| 43. | Margaret E. Robinson (Girls' High School, Montreal), | 1022 | " |
| 1. | Charles E. B. Adams (High School, Montreal), | 1015 | " |
| 27. | Christie M Shaw (High School, Montreal), | 1007 | " |
| 14. | George S. Lovejoy (High School, Montreal), | 1002 | " |
| 2. | Walter L. Barlow (High School, Montreal), | 996 | " |
| 21. | Arthur L. Mudge (High School, Montreal), | 967 | " |
| 114. | William A. Moffatt (Huntingdon Academy), | 965 | " |
| 84. | Alice J. Griggs (Coaticook Academy), | 958 | " |
| 139. | Osmond E. LeRoy (Lachute Academy), | 945 | " |
| 10. | Leonard W. Dyer (High School, Montreal), | 944 | " |
| 11. | F. A. Hogle (High School, Montreal), | 935 | " |
| 175. | Edith Hargrave (Sherbrooke Girls' Academy), | 923 | " |
| 20. | Henry S. Mooney (High School, Montreal), | 921 | " |
| 53. | David T. Davis (Private Tuition), | 904 | " |
| 26. | Alexander E. Shaw (High School, Montreal), | 903 | " |

*Class III.*

| | | | |
|---|---|---|---|
| 170. | Ralph E. Howe (Sherbrooke Boys' Academy), | 888 | " |
| 180. | Katherine Robinson (Stanstead Wesleyan College), | 887 | " |
| 28. | Henry J. M. Smith (High School, Montreal), | 881 | " |
| 42. | Ethel H. Reid (Girls' High School, Montreal), | 866 | " |
| 90. | Edith M. Ayerst (Cookshire Model School), | 864 | " |

36. Muriel G. Galt (Girls' High School, Montreal), 856 Marks
177. Louise E. Johnston (Sherbrooke Girls' Academy), 844 "
68. Harriott S. Olive (Girls' High School, St. John, N.B.), 839 "
143. William Mitchell (Lachute Academy), 833 "
209. Gertrude M. Slack (Waterloo Academy), 830 "
147. Thomas I. Pollock (Lachute Academy), 825 "
83. James H. Doak (Coaticook Academy), 821 "
32. John B. Norton (High School, Montreal), 811 "
190. George N. Boright (Sutton Model School), 807 "
18. Thomas H. Metcalfe (High School, Montreal), 800 "
95. Ruth E. Boright (Cowansville Academy), 799 "
37. Jessie S. Harvie (Girls' High School, Montreal), 796 "
59. Emily E. Lee (Girls' High School, Quebec), 790 "
171. Robert Knight (Sherbrooke Boys' Academy), 784 "
49. Florence M. Simms (Misses Symmers and Smith's School, Montreal), 780 "
133. Hanam H. Barclay (Lachute Academy), 778 "
112. Sarah McDonald (Huntingdon Academy), 777 "
7. Arnold W. Duclos (High School, Montreal), } equal, 774 "
29. Edward S. Wadsworth (High School, Montreal), }
6. Percy H. Cushing (High School, Montreal), 773 "
125. Grant S. Johnson (Inverness Academy), 772 "
63. Isabelle Estabrook (Girls' High School, St. John, N.B.), 767 "
207. Elizabeth J. Lufkin (Waterloo Academy), 764 "
44. Lilian M. Sharpe (Girls' High School, Montreal), 760 "
155. Charles W. Candlish (St. Francis College School, Richmond), 741 "
158. Howard F. Lyster (St. Francis College School), 740 "
61. Elizabeth Beatteay (Girls' High School, St. John, N.B.), } equal 737 "
141. Hugh C. McConnell (Lachute Academy), }
3. William L. Bond (High School, Montreal), 732 "
92. William H. A. Hopkins (Cookshire Model School), 726 "
110. Ernest G. Campbell (Huntingdon Academy), 725 "
66. Celia G. Heffer (Girls' High School, St. John, N.B.), 721 "
109. Nellie F. Cameron (Huntingdon Academy), 715 "
54. Maggie G. Murphy, (Private Tuition), 714 "
34. Annie Cox (Girls' High School, Montreal), 709 "
106. Louisa H. Chalmers (Granby Academy), 704 "
40. Alice E. Nichols (Girls' High School, Montreal), 695 "
98. Agnes B. Tarrant (Cowansville Academy), 689 "
93. Edith M. Miller (Cookshire Model School), 684 "
4. Dorlon T. Buchanan (High School, Montreal), 674 "
39. Jeanie C. McLea (Girls' High School, Montreal), 657 "
132. Percy Stevens (Knowlton Academy, 656 "
121. Frederick E. Edwards (Inverness Academy), 655 "

| | | |
|---|---|---|
| 60. | Louisa G. Moses (Girls' High School, Quebec), | 654 Marks |
| 24. | Thomas J. Rodger (High School, Montreal), | 652 " |
| 208. | William A. Ryan (Waterloo Academy), | 632 " |
| 65. | Edna M. Gregory (High School, St. John, N.B.), | 620 " |
| 178. | Sarah K. Turner (Sherbrooke Girls' Academy), | 617 " |
| 69. | Loretta L. Shaw (Girls' High School, St. John, N.B.), | 611 " |
| 15. | W. B. Macpherson (High School, Montreal), | 608 " |
| 182. | Clarissa J. Lewis (St. Johns High School), | 604 " |
| 134. | Sarah Bradshaw (Lachute Academy), | 591 " |
| 138. | Nettie M. Giles (Lachute Academy), | 586 " |
| 126. | Barbara M. McVetty (Inverness Academy), | 581 " |
| 195. | Fred. W. Harvey (Sutton Model School), | 530 " |

II. *Over* 18 *years of age.*

*Class II.*

| | | |
|---|---|---|
| 23. | Adam F. Patterson (High School, Montreal), | 1015 " |
| 172. | Albert L. Parker (Sherbrooke Boys' Academy), | 1011 " |
| 210. | Jenniefried P. Solomon (Waterloo Academy), | 953 " |
| 127. | Donald M. Solandt (Inverness Academy), | 937 " |

*Class III.*

| | | |
|---|---|---|
| 9. | H. H. Dyer (High School, Montreal), | 884 " |
| 115. | Amanda Robson (Huntingdon Academy), | 882 " |
| 57. | Ethel V. Fraser (Girls' High School, Quebec), | 845 " |
| 67. | Maggie Morrow (Girls' High School, St. John, N.B.), | 835 " |
| 45. | S. Louise Shaw (Girls' High School, Montreal), | 825 " |
| 62. | Margaret M. Brady (Girls' High School, St. John, N.B.), | 801 " |
| 111. | Robert I. Gillies (Huntingdon Academy), | 798 " |
| 203. | Effie J. Frost (Waterloo Academy), | 786 " |
| 116. | Donald Walker (Huntingdon Academy), | 781 " |
| 85. | Frederick C. McKee (Coaticook Academy), } equal | 777 " |
| 119. | Rebecca Coulter (Inverness Academy), } | |
| 206. | Ruth E. Libby (Waterloo Academy) | 774 " |
| 191. | Frank L. Doray (Sutton Model School), | 761 " |
| 148. | Stanfel F. A. Wainwright (Lachute Academy), | 759 " |
| 291. | Archer Booth (Waterloo Academy), | 756 " |
| 50. | May Gertrude Johnson (Mrs. Watson's School, Montreal), | 754 " |
| 212. | Mary Olive Vaudry (Waterloo Academy), | 747 " |
| 64. | Lillian E. Fenwick (Girls' High School, St. John, N.B.), | 712 " |
| 140 | Robert Mason (Lachute Academy), | 689 " |
| 78. | Joseph L. Mulligan (Aylmer Model School), | 662 " |
| 70 | Agnes L. Warner (Girls' High School, St. John N.B.), | 647 " |
| 122. | Gardiner Grady (Inverness Academy), | 635 " |
| 196. | Alfred C. Paintin, (Sutton Model School), | 631 " |

58 Alice Gillespie, (Girls' High School, Quebec), 612 Marks
162. John G. Moore (St. Francis College School), 610 "
100. Hannah L. Bradley (Danville Model School), 601 "
156. James E. Church (St. Francis College School), 559 "
77. Emma Maxwell (Aylmer Model School), } equal
52. Francis A. C. Bickerdike (Private Tuition), } 557 "

JUNIOR CERTIFICATES.

*I. Under* 18 *years of age.*

91. Clara M. M. Bailey (Cookshire Model School), 647 "
31. Cecil Wotherspoon (High School), Montreal, 639 "
128. Mary Stewart (Inverness Academy), 601 "
202. Isabella F. Frost (Waterloo Academy), 590 "
123. Maggie Hanran (Inverness Academy), 552 "
129. Elizabeth O. Wood (Inverness Academy), 542 "
71. Alice M. Wilson (Girls' High School, St. John, N.B.), 525 "
183. G. Melville Macpherson (St. Johns High School), 446 "

*II. Over* 18 *years of age.*

166. Ernest W. Hodgins (Shawville Academy), 633 "
17. Christina C. Bailey (Inverness Academy), 490 "

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## McGILL UNIVERSITY, MONTREAL.

JUNE, 1890.

The following candidates have passed the Examinations required for Matriculation.

*I. In Arts.*

| | | | |
|---|---|---|---|
| Barlow, Walter L., | Montreal, Q | Estabrooke, Isabelle, | St. John, N.B |
| Beatteay, Elizabeth, | St. John, N.B | Fraser, Ethel V., | Quebec, Q |
| Blackett, John, | Huntingdon, Q | Frost, Effie J., | Waterloo, Q |
| Booth, Archer, | Waterloo, Q | Frost, Isabella F., | Waterloo, Q |
| Boright, Ruth E., | Cowansville, Q | Galt, Muriel G., | Montreal, Q |
| Brady, Margaret M., | St. John, N.B | Gillespie, Alice, | Quebec, Q |
| Campbell, Edward M., | Inverness, Q | Gillies, Robert I., | Huntingdon, Q |
| Campbell, Ernest G., | Huntingdon, Q | Griggs, Alice J., | Coaticook, Q |
| Chalmers, Louisa H., | Granby, Q | Hanran, Robert J., | Inverness, Q |
| Church, Athole H., | Montreal, Q | Hargrave, Edith, | Sherbrooke, Q |
| Craig, William W., | Montreal, Q | Harper, Robert M., | Quebec, Q |
| Crawford, Dan T., | Parkhill, O | Harvey, Fred. W., | Sutton, Q |
| Cruikshank, Alexander, | Inverness, Q | Harvie, Jessie S., | Montreal, Q |
| Davis, David P., | Montreal, Q | Howe, Ralph E., | Sherbrooke, Q |
| Day, Frank J., | Stratford, O | Jamieson, William R., | Ottawa, Q |
| Doray, Frank L., | Sutton, Q | Johnson, May T., | Montreal, Q |
| Duclos, Arnold W., | Montreal, Q | Johnston, Louise E., | Sherbrooke, Q |
| Dyer, H. H., | Montreal, Q | Keith, Neil D., | Glencoe, Q |

MCGILL UNIVERSITY LIBRARY

| | |
|---|---|
| Lee, Emily E., | Quebec, Q |
| LeRoy, Osmond E., | Lachute, Q |
| Libby, Ruth E., | Waterloo, Q |
| Lochead, John, | Parkhill, O |
| Lovejoy, Geo. S., | Montreal, Q |
| Lufkin, Elizabeth J., | Waterloo, Q |
| Mason, Robert, | Lachute, Q |
| Maxwell, Emma, | Aylmer, Q |
| McConnell, Hugh C., | Lachute, Q |
| McMullan, John, | Huntingdon, Q |
| Mitchell, William, | Lachute, Q |
| Moffatt, William A., | Huntingdon, Q |
| Morrow, Maggie, | St. John, N.B |
| Murphy, M. Grace, | Montreal, Q |
| Olive, Harriott S., | St. John, N.B |
| Oliver, Lucy A., | Cowansville, Q |
| Paintin, Alfred C., | Sutton, Q |
| Parker, Albert L., | Sherbrooke, Q |
| Pollock, Thomas I., | Lachute, Q |
| Radford, Ethel S., | Montreal, Q |
| Robinson, Katherine. | Stanstead, Q |
| Robinson, Margaret E, | Montreal, Q |
| Robson, Amanda, | Huntingdon, Q |
| Sharpe, Lillian M., | Montreal, Q |
| Shaw Alex. E., | Montreal, Q |
| Shaw, Christie M., | Montreal, Q |
| Shaw, S. Louise, | Montreal, Q |
| Simms, Florence M., | Montreal, Q |
| Slack, Gertrude M., | Waterloo, Q |
| Smith, Henry J. M., | Montreal, Q |
| Solomon, Jenniefried P., | Waterloo, Q |
| Spearman, F. L., | Huntingdon, Q |
| Strong, J., | Montreal, Q |
| Summerhayes, M. Gertrude, | Montreal, Q |
| Tarrant, Agnes B., | Cowansville Q |
| Thomson, Henry N., | Quebec Q |
| Turner, Sarah K., | Sherbrooke' Q |
| Vaudry, Mary O., | Waterloo' Q |
| Walker, Donald, | Huntingdon Q |
| Warner, Agnes L., | St. John, N. B |

*II. In Applied Science.*

| | |
|---|---|
| Adams Chas. D., | Montreal, Q |
| Barclay, Hanam H., | Lachute, Q |
| Bond, William L., | Montreal. Q |
| Boright, George N., | Sutton, Q |
| Candlish, Charles W., | Richmond, Q |
| Carron, Fred. B., | Brockville, O |
| Clendenning, Charles H., | Ottawa, O |
| Coburn, David N., | Richmond, Q |
| Cochrane, Kenneth C., | Brockville, O |
| Connor, Charles A., | Ottawa, O |
| Crawford, John, | Toronto, O |
| Cushing, Percy H., | Montreal, Q |
| Doak, James H., | Coaticook, Q |
| Duff, William A., | Montreal, Q |
| Dyer, Edward O., | Sutton, Q |
| Dyer, Leonard W., | Montreal, Q |
| Eastman, Arthur C., | Sutton, Q |
| Edwards, Frederick E., | Inverness, Q |
| Galbraith, Archibald, | Toronto, O |
| Grady, Gardiner, | Inverness, Q |
| Hopkins, William H. A., | Cookshire, Q |
| Jenkins, John, | Montreal, Q |
| Johnson, Grant S., | Inverness, Q |
| Knight, Robert, | Sherbrooke, Q |
| Lindsay, Cecil V., | Montreal, Q |
| Lineham, D. M., | Goderich, O |
| Lyster, Howard F., | Richmond, Q |
| McDunnough, Ralph B., | Montreal, Q |
| McHarg, David, | Richmond, Q |
| McKee, Frederick C., | Coaticook, Q |
| McNaughton, Frs. M.A., | Huntingdon, Q |
| Metcalfe, Thomas H., | Montreal, Q |
| Molson, Herbert, | Montreal, Q |
| Mooney, Henry S., | Montreal, Q |
| Moore, John G., | Richmond, Q |
| Mudge, Arthur L., | Montreal, Q |
| Mulligan, Joseph A., | Aylmer, Q |
| Norton, John B., | Montreal, Q |
| Ogilvy, Charles, | Montreal, Q |
| Rodger, Thomas J., | Montreal, Q |
| Rogers, Fred. D., | Montreal, Q |
| Ryan, William A., | Waterloo, Q |
| Solandt, Donald M., | Inverness, Q |
| Stevens, Percy, | Knowlton, Q |
| Struthers, Arthur J., | Clarenceville, Q |
| Wilson, Robert, | Montreal, Q |

## STANDING IN THE SEVERAL SUBJECTS.

[The numbers correspond with those in the preceding list. Candidates whose numbers are in parentheses are equal in standing. Those preceding a single asterisk have obtained at least two-thirds of the marks, those preceding a double asterisk at least one-half, those following at least one-third. Numbers 1-15 and 17-32 are from the Montreal High School; 34-47 from the Girls' High School, Montreal; 49 from the Misses Symmers and Smith's School, Montreal; 50 from Mrs. Watson's School, Montreal; 51 from St. John's School, Montreal; 52-54 Private Tuition; 55-56 from Quebec High School; 57-60 from Girls' High School, Quebec; 61-71 from Girls' High School, St. John (N.B.); 75-79 from Aylmer Model School; 80-82 from Clarenceville Academy; 83-88 from Coaticook Academy; 89 from Compton Ladies' College; 90-94 from

Cookshire Model School ; 95-97, 98 from Cowansville Academy]; 99-104 from Danville Model School ; 105 from Dunham Ladies' College ; 106-107 from Granby Academy ; 108-116 from Huntingdon Academy ; 117-129 from Inverness Academy ; 130-132 from Knowlton Academy ; 133-144, 146-148 from Lachute Academy ; 149 from Lacolle Academy ; 150-153 from Portage du Fort Model School ; 154-159, 161-165 from St. Francis College School, Richmond ; 166-169 from Shawville Academy ; 170-173 from Sherbrooke Boys' Academy ; 174-178 Sherbrooke Girls' Academy ; 179-180 from Stanstead Wesleyan College ; 181-187 from St. Johns High School ; 189-198 from Sutton Model School ; 199-200 from Three Rivers Academy ; 201-203, 205-212 from Waterloo Academy ; 213-215 from Waterville Model School ; 217 from Hatley Academy.]

## *I. Preliminary.*

*Reading.*—[At Montreal—(23, 35, 42, 49), 26, (8, 21, 24, 34, 39, 45, 46, 52), 41, (3, 17, 20, 27, 51), (1, 5, 10, 12, 14, 19, 32, 36, 37, 38, 40, 44, 54), (2, 4, 6, 7, 9, 11, 13, 15, 18, 22, 25, 28, 29, 30, 31,43,47, 50,53)]. [At Quebec.—(Boys).—(55,56) ; (Girls.)—58,59,57,60]. [At St. John (N.B.—(61, 63, 65, 67, 70), (62, 64, 66, 68, 69), 71]. [At Aylmer.—77, (76, 78), 79, 75]. [At Clarenceville.—82, 81, 80]. [At Coaticook.—86, 85, 84, 88, (83, 87)]. [At Compton —89]. [At Cookshire.—90, 93, 91, 94, 92]. [At Cowansville.—(95, 97), 98]. [At Danville.—100, (99, 101, 104), 102, 103]. [At Dunham.—105]. [At Granby.—106-107], [At Huntingdon.—(109, 112, 115), ( 10, 114, 116), (108, 111, 113)]. [At Inverness.—(119, 129), (120, 123, 128), (122, 124, 127), (117, 118), (121, 125), 126]. [At Knowlton.—132, 131, 130]. [At Lachute.—(138, 143), (133, 135, 141, 144, 147. 148), (136, 137, 140, 142, 146), (134, 139)]. [At Lacolle.—149]. [At Portage du Fort.—150, (151, 153), 152]. [At Richmond.—(156, 157, 158, 165), (155, 163), 162, 159, 164]. [At Shawville.—169, 168, 167, 166]. [At herbrooke, Boys,—170, 172, (171. 173) ; Girls.—175, 176, (177, 178), 174]. At Stanstead.—(179,180)]. [At St. Johns.—186, (181, 182, 184), (183, 187), 185]. [At Sutton.—194, (189, 198), (190, 191, 192, 193, 195), (196, 197)]. [At Three Rivers.—(199, 200)]. [At Waterloo.—212. (203, 209), 202, 207, (206, 208, 210), 201, 211, 205]. [At Waterville.—215, (213, 214)]. [At Hatley.—217].*

*Writing.*—(1, 34, 35, 37, 43, 44, 45, 64, 67, 68, 69, 70, 71, 84, 91, 124. 136, 137, 144, 148, 149, 154, 170, 181, 709, 215), (6, 9, 10, 23, 27, 29, 32, 36, 42, 50, 55, 59, 61, 62, 63, 77, 80, 82, 83, 86, 90, 92, 94, 105, 109, 131, 172, 183, 192, 212), (2, 3, 4, 5, 8, 11, 12, 19, 20, 22, 30, 38, 41, 46, 47, 52, 54, 65, 85, 88, 89, 93, 95, 98, 99, 100, 101, 103, 108, 110. 112, 115, 117, 119, 126, 128, 129, 132, 133, 135, 138, 155, 163, 164, 166, 173, 175, 180, 190, 191, 193, 195, 206, 210, 213, 214, 217).* (15, 18, 24, 28, 31, 39, 53, 56, 57, 58, 60. 66, 79, 81, 87, 97. 102, 107, 114, 116, 118, 121, 122, 127. 134, 139, 140, 142, 146, 147, 152, 156, 158, 159, 161, 167' 177, 178, 182, 184, 185, 187, 189, 197, 198, 199, 200, 202, 205, 211), ** (7, 13, 14, 17, 21, 25, 26, 40, 49, 51, 75, 76, 78, 104, 106, 111, 113, 120, 123, 125, 130, 141, 143, 150, 151, 153, 157, 162, 165, 168, 169, 171, 174, 176, 179, 186, 194, 196, 201, 203, 207, 208).

*English Dictation.*—(27, 61, 66, 120, 202, 203, 209), (28, 59, 128, 131), (62, 90, 93, 123) (8, 50, 52, 60, 65, 67, 85, 119, 124, 148, 170, 182, 195), (1, 12, 14, 17, 23, 41, 56, 69, 71, 80, 89, 94, 101,102, 114, 115, 121, 138, 141, 150, 157, 167, 175, 178, 180, 187, 210, 217), (6, 25, 42, 44, 47, 49, 53, 55, 58, 68, 98, 127, 132, 155, 169, 171, 172,174, 191, 207, 212), (20, 21, 27, 30, 34, 36, 57, 70, 77, 86, 104,106, 107, 109, 112, 133, 134, 144, 147, 177, 179, 183, 184, 193, 198, 206, 213), (3, 4, 11, 19, 38, 63, 84, 97, 99, 105, 111, 116, 117, 118, 126, 137, 140, 158, 163, 165, 176, 194, 201), (5, 18, 26, 35, 43, 46, 87, 91, 92, 100, 113, 125, 139. 145, 146, 156, 161), (10, 29, 64, 129, 135, 166, 192, 208), (24. 32, 40, 51, 78, 88, 149, 152, 154, 159, 173, 181), (2, 22, 83, 95, 136), (9, 39, 45, 54, 82, 110), (13, 15, 168, 196, 199), (76, 130, 186, 214), (31, 162, 190, 197), (122, 185), 7.*

*English Grammar.*—(5, 42, 43, 46, 97, 118), (21, 23, 40, 119), (17, 61, 62, 65, 90, 01, 124, 128, 175, 209,), (12, 30, 41, 44, 121). (25, 26, 35, 55, 125), (8, 29, 38, 63, 70, 84, 120, 123, 127), (6, 14, 53, 56, 139, 162, 170, 202), (3, 9, 11, 27, 36, 60, 66. 67, 71, 95, 104, 114, 117, 180), (19, 32, 45, 57, 68, 83, 85, 86, 93. 106. 133, 182, 203, 207, 210), (28, 49, 50, 98, 101, 143, 147, 155)*, (4, 34, 37, 54, 59, 115, 122, 156, 166, 167, 172, 193, 194), (7, 18, 24, 52, 134, 158), (2, 64, 89, 92, 103, 116, 174, 178, 190, (201), (69, 135, 142, 148, 159, 168, 171, 206), (87, 126, 129 141, 44, 173, 176, 183), (15, 20, 47, 137, 163, 191, 192, 205, 212, 213), (1, 100, 105, 107, 140, 177), (10, 22, 39, 88, 94, 111 113, 157,

200),** (58, 112, 136, 169 179, 196), (13, 31, 81, 99, 181, 199, 208), 187, (77, 109, 138, 154, 195, 198, 214), (78, 82, 108, 215), (146, 197), (75, 149, 150, 164), (79, 102, 110, 132 152).

*Arithmetic*.—(5, 9, 12, 19, 21, 27, 35, 55, 62, 67, 68, 84, 112, 115, 127, 147, 155, 172, 190), (8, 191, 193, 194), (18, 56), 23, (20, 32, 92, 93, 118, 121, 122, 123, 165, 180), 171, 163, (4, 11, 14, 34, 52, 57, 63, 78, 85, 90, 91, 95, 97, 108, 109, 114, 116, 119, 120, 124, 125, 128, 129, 133, 135, 139, 143, 157, 159, 162, 170, 175, 196, 209), (82, 166, 177, 195, 213), (1, 10), (17, 29, 83, 117, 126, 144, 212), (113, 197, 198), (7, 22, 103, 107, 203), (13, 106, 136, 140), (31, 111), (2, 25, 36, 37, 59, 66, 87, 99, 100, 130, 142, 148, 156, 173, 174, 176, 189, 200, 208, 210)), 6, 30, 101, 158, 192, 217),* (65, 89, 110), (42, 104), (3, 54, 60, 76, 183, 206), (49, 58), (26, 64, 164, 168, 201), (28, 40, 41, 46, 53, 80, 98, 132, 137, 149, 176, 199, 202, 207, 211, 215),** (61, 70), (102, 138), (15, 51, 131, 152, 169), (24, 214), (81, 134, 153), (71, 186), (43, 154), (39, 44, 45, 69, 77, 88, 141, 150, 179, 181, 182, 187), 50.

*Geography*.—(53, 139, 210), (69, 165,) (14, 46, 55, 90, 147), (19, 62, 68, 114, 120), (23, 28, 92), (9, 12, 58, 123, 125, 127, 134, 142, 172, 190), (8, 25, 30, 43, 47, 63, 67, 86, 95, 119, 136, 177) (2, 21, 22, 83, 84, 155, 156, 168), (36, 66, 70, 91, 115, 133, 163)*, (4, 5, 17, 24, 29, 35, 56, 97, 112, 128, 135, 143, 158, 166, 193), (45, 71, 109, 118, 141, 154, 173), (42, 49, 60, 111, 121, 124, 126, 138, 182, 207), (93, 103, 113, 140, 146), (26, 38, 40, 57, 59, 61, 65, 94, 110, 202, 203), (3, 34, 81, 212, 191, 196, 212), (7, 20, 27, 87, 98, 129, 162, 174), (1, 10, 37, 39, 41, 79, 105, 106, 148, 175, 181, 208)**, 18, 32, 77, 80, 89, 107, 103, 131, 149, 200, 201, 205), (6, 15, 50, 78, 85, 116, 144, 159, 170, 176, 183, 185, 199), (11, 64, 82, 117, 137, 194, 209, 214), (54, 157, 169, 187), (52, 75, 88, 151, 171, 213), (31, 100, 130, 167, 180, 184, 192), (99, 132 215), (44, 150, 152, 153, 178, 195, 206).

*British and Canadian History*.—(6, 23), 62, (8. 9, 46), (4, 41, 120), (90, 125), 5, (27, 36, 118,), (2, 11, 127), (19, 53. 119, 124)*, (1, 33, 67, 121, 175), (40, 42, 45, 56, 128, 165, 182), (25, 141, 166, 209), (14, 26, 38, 43, 139, 155), (17, 21, 35, 69, 117, 140, 190, 210), (30, 47, 59, 63, 97, 171), (12, 44, 50, 55, 89, 126, 129, 143, 146), (7, 10, 15, 49, 52, 92, 108, 156, 172 ,173, 186)** (20, 66, 122, 123, 147, 170, 191, 201), (24, 34, 110, 114, 131, 168), (29, 37, 64, 68, 78, 124, 169, 180, 207, 212), (84, 94, 148), (22, 57, 58, 76, 95, 116, 137, 177), (3, 18, 28, 60, 83, 85, 98, 105, 136, 158, 185, 196, 198, 206), (54, 75, 93, 133, 142, 183, 208), (31, 32, 61, 65, 70, 71, 77, 79, 81, 91, 100, 106, 109, 111, 112, 115, 132, 138, 153, 162, 163, 178, 195, 202, 203, 215).

*The Gospels*.—5, (21, 172), 31, 26, 8, (27, 41), (46, 66, 175), (62, 67), 84, (23, 50), 69, (40, 43, 86), (1, 12, 28, 42), (4, 30, 47), 25, 19, (15, 71), (39, 44, 83), (3, 29, 35, 36, 55, 59, 63), (6, 65, 93, 142), (2, 14, 45, 61, 90, 120, 134)*, (49, 124, 206, 213), (32, 200), 54, (20, 60, 135, 190), (58, 68, 194), (11, 34, 38, 64, 85), (70, 77, 80), (7, 22, 57, 118, 133), 170, (17, 37, 59, 106, 139, 177), (87, 107, 138), 10, 88, 94, 131), (89, 171, 180), (166, 215), (9, 24, 153, 173,**, (143, 168, 179), 132, 178, 214, 217), (105, 196), (18, 95, 148, 167), (97, 147, 191), (78, 130), (81, 92, 137, 182), (79, 199), (193, 197 198), 174, (76, 91), (114, 140, 149), (75, 110), (141, 146), 189.

## *II. Optional.*

*Latin* (Ordinary).—139, 124, 97. 59, 114, (57, 84), 95, (115, 118, 134), (180, 182)*, (85, 201), (202, 206), 181, 83, (14, 143), (106, 111, 127, 175, 208, 212), (116, 120), (148, 155), (132, 147, 183, 193), (110, 157, 158), (60, 177), (98, 113), (190, 191)**, 156, (108, 165), (58, 138), (144, 159, 178), (179, 195, 199, 200, 205), 146, (125, 142, 166), 105, (176, 196), (107, 154, 164, 194), (77, 136), (167, 189), (78, 192).

*Latin* (Advanced) —5, 46, 23, (67, 68, 172), 53*, (55, 210), 61, (41, 63), 2, 30, 209, 69, (56, 65), (49, 71), 1, (28, 62, 207), (11, 43), (27, 36), (37, 45), 170, (26, 34), (14, 86)**, 3, 171, 9, 50, 40, 203, 54, (7, 15, 29), 38, (24, 52, 162), 10, 44.

*Greek* (Ordinary).—59, 60*, 139, (57, 201), 58, 170**, (116, 143, 147), 172, 191, 140, 110, (195, 196), 141, 146, (106, 164, 203), 142.

*Greek* (Advanced).—5*, 28, 124, (26, 53), 23, 56, 2, 118, 111, 114, 97**, 120, 55, 115, 9, 15, 52, 6, (14, 27), 7.

*French*.—175, (19, 176), 32, 17, 89), (49, 171), 172, (12, 28, 53), 178, 42, 1, 66*, (1, 29), (26, 30, 56,) 50, (38, 55), 46, (7, 8), 31, (4, 11, 27, 177, 210), (23, 212), (23, 212), 118, (3, 45, 203, 209), (43, 116, 131), 109, 182, (83, 124, 139, 180), (21, 201), (69, 141), 199, (20, 35, 90, 115, 132, 133), ** (34,

84, 134, 202), (2, 41, 207), (37, 85, 120, 155, 179), (14, 44, 97, 140), 10, (36, 65, 147), (6, 9, 54, 106, 143), (127, 158), (92, 114, 121, 156), 122, (75, 79, 117, 129), (112, 119, 125, 206), (58, 64, 138, 194), (111, 148), (52, 59, 103, 128, 190), (47, 187, 193), (60, 77, 191), (25, 91, 93), (18, 24, 39, 78, 100, 108, 123, 126, 142, 146, 181).

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International Science Series—Earthquakes, by J. Milne; British Discomycetes, by W. Phillips; International Law, by Leone Levi; Weather, by R. Abercromby; Anthropoid Apes, by R. Hartmann; Physical Expression, by F. Warner.

Lectures and Essay—Hibbert Lectures, 1886 and 1887, 2 vols.; History of Interpretation, "Bampton Lectures," 1885; Matthew Arnold's Discourses in America; Scientific Theism, by Francis E. Abbot; The Destiny of Man, by John Fiske.

Natural History—Bird Ways, by O. T. Miller; The House Sparrow, by Gurney; A Naturalist's Rambles About Home.

Sports, etc.—The Badminton Library. Hunting and Fishing, 3 volumes; Chronicle of the Coach; Field Sports of the North of Europe; Reminiscences of the Turf; Days and Nights of Salmon Fishing; Sports and Anecdotes; Patroclus and Penelope, a Chat in a Saddle.

Travels, etc.—From Korti to Khartoum, by Sir C. Wilson; Three Years of Arctic Service, by Greely, 2 vols.; Tent Life in Palestine, 2 vols.; Como and the Italian Lake Land; Travels and Researches in Japan, by J. J. Rein; Russian Central Asia, by Henry Lansdell, 2 vols.; A New Paris Sketch Book; An Inglorious Columbus, by E. P. Vining; The Highlands of Cantrabia; Persia and the Persians, by S. G. W. Benjamin.

Miscellaneous—A Clerical Symposium, Inspiration, The Atonement, Immortality, 3 vols.; Canada and the States, by Sir E. W. Watkin; Country Life in Canada, Fifty Years Ago; The York Mystery Plays, by Lucy Toulmin Smith; The Fleet—its River, Prison and Marriages; Shakespeare's Female Characters, by Lady Martin; Geology, by Joseph Prestwich, vol. 2; Renaissance in Italy, by J. A. Symonds, vols. 6 and 7; The Story of the Heavens, by Robert S. Ball; Pottery and the Precious Metals, by H. B. Wheatly; Owens College—its Foundation and Growth; Triumphant Democracy, by A. Carnegie; The Buntling Ball; Classical and Foreign Quotations, by W. F. H. King; The Silent South, by G. W. Cable; Ecclesiastical Institutions, by Herbert Spencer; Wealth and Welfare—our National Trade Policy; Justice and Police, by F. W. Maitland; Life and Labor, by Samuel Smiles; England's Case Against Home Rule, by A. V. Dicey; The Happy Prince, by Oscar Wilde; Pearls and Pearling Life, by E. W. Streeter; English Satire and Caricature on Napoleon I., 2 vols. Modern Ships of War, by Reed and Simpson; The Occult World, by A. P. Sinnett, 2 vols.; Five Years of Theosophy; Four Centuries of Silence, by R. A. Redford; Philosophy of Theism, by Borden P. Bowne; Memoir of Fleming Jenkin, by R. L. Stevenson; Scientific Meliorism, by Jane H. Clapperton; The Light of Asia and the Light of the World; Confessions of a Young Man; About Money and Other Things, by Miss Mulock; Labor, Land and Law, by W. H. Phillips; History of Sunday Legislation, by A. H. Lewis.

Also the following pamphlets and books in paper covers:—

From Johns Hopkins University—Fourteenth Annual Report, 1889.

From Owens College, Manchester—Calendar for 1889-90.

From Laval University, Quebec—Annuaire de l'Université, 1889-90.

From the Academy of Natural Sciences, Philadelphia—Proceedings, part 2, May-September, 1889.

From the University of New Brunswick—Calendar for 1889-90.

From Yale University—Calendar for 1889-90.

From George Sheldon, Deerfield, Mass.—Catalogue of the Relics in Memorial Hall, Deerfield.

From Erastus Wiman—Six pamphlets on Commercial Union with the U. S.

From Bryn Mawr College, Philadelphia—President's Report 1888-89.

From Dr. G. M. Dawson, Geological Survey, Ottawa—Glaciation of British Columbia; On the Earlier Cretaceous Rocks of the N. W. Portion of the Dominion of Canada; Notes on the Ore Deposit of the Treadwell Mine, Alaska; On the Microscopical Character of the Ore of the Treadwell Mine, by Frank D. Adams.

UNIVERSITY LIBRARY

From the Geological Survey, Ottawa—Contributions to the Micro-Palæontology of the Cambro-Silurian Rocks of Canada, part 2.

From the U. S. Government, Washington, Department of Education—Visible Speech and Vocal Physiology.

From the U. S. Government, Washington, Department of Agriculture—North American Fauna, parts 1 and 2.

From Ginn & Co., publishers, New York—Political Science Quarterly, vol. 4, No. 4.

From the Smithsonian Institution, per Sir J. W. Dawson—Bulletin of the United States National Museum, No. 37.

From the Imperial Federation League—A set of pamphlets published by the League.

From the U. S. Government, Treasury department—17th Annual Report of the Director of the Mint.

From Victoria University, Cobourg—Examination papers, 1889; Calendar for 1889 90.

From Harvard University—Catalogue for 1889-90.

From the Birmingham Philosophical Society—Proceedings, vol. 6, part 2.

From Professor J. G. McGregor, Halifax, N. S.—9 pamphlets on Electricity, &c.

From Professor Bovey—The Vacuum Continuous Automatic Brake; Catalogue, Ransomes and Rapier, Ipswich; Catalogue, Thomas Smith Rodley; Railway Structures, Designs by E. P. C. Girouard; Designs Steam Engines, etc.; Steel Pipe Catalogue; Bulletin de la Société Vaudoise des Ingénieurs, 4 parts; the Ironmonger, 6 parts; 18th and 19th Annual Reports of the Board of Railroad Commissioners, Boston, 1887-88; Proceedings of the American Railway Master Mechanics' Association, 1888; Proceedings of the Engineers' Club of Philadelphia, 1889; Rigg's Catalogue of Apparatus for Technical Instruction, 1885; Catalogue of Western & Co., Derby, "Wood-working Machinery."

From Dr. Johnson—Report of the Canadian Observations of the Transit of Venus, December 6th, 1882; Report of the Committee appointed by the British Government; Observations of the Transit of Venus.

From J. Theo. Robinson—Starke's Almanac for 1890.

From the author Sir Albert Rollit)—An Address delivered at the opening of the Medical Session 1889.

From Sir J. W. Dawson—Hawaiian Almanac and Annual for 1890; Transactions of the Manchester Geological Society 1889-90; Bulletin de la Société Belge de Géologique, 3 parts; Proceedings of the American Philosophical Society, July to December, 1889; Transactions of the Literary and Historical Society of Quebec, Session of 1882-83; Transactions of the Literary and Historical Society of Quebec, No. 19, Session 1887-1889.

From the University of Vermont—Burlington Calendar for 1889-90.

The North-Western University, Evanston, Ill.—Calendar for 1889-90.

The College of New Jersey, Princeton—Calendar for 1889-90.

The University of Rochester, N.Y.—Calendar for 1889-90.

The Toronto Public Library, 6th Annual Report of the Board of Management.

The Provincial Government, Ontario—Annual Report of the Canadian Institute 1889.

The Dominion Government, Department of Railways—Annual Report 1888 1889.

The Smithsonian Institute, "Bureau of Ethnology"—Bibliography of the Iroquoian Languages; Bibliography of the Muskogean Languages; The Circular, Square and Octagonal Earthworks of Ohio; the Problem of the Ohio Mounds, by Cyrus Thomas; Textile Fabrics of Ancient Peru, by W. H. Holmes.

From W. H. Winchell, State Geologist of Minnesota—17th Annual Report of the Geological Survey of Minnesota, Bulletin No. 1 ; History of Geological Surveys in Minnesota, Bulletin No. 5 ; Natural Gas in Minnesota.

From the University of Toronto—Examination Papers 1889.

The U. S. Government (War Department)—Weather Maps for January, February and March, 1890.

From Professor Bovey—Transactions Kansas Academy of Science, 1887-88 ; Reports (3) of the Director of the U. S. Mints ; Report on the Production of the Precious Metals in the U. S., 1884 ; Instructions and Regulations in relation to the U. S. Mints and Assay affairs, 1887 ; Bulletin de la Société Vaudroise des Ingénieurs et des Architectes, 1889 ; and 12 books on Mill Construction, Machine Shops, etc.

From the U. S. Government (Department of the Interior)—Bulletins of the U. S. National Museum, 5 parts.

From the author (Hon. Judge Gill)—Notes sur de Vieux Manuscrits Abenakis, 1886 ; Notes Historiques sur L'Origine de la Famille Gill, 1887 ; Notes Additionneles sur la Famille Gill, 1889.

From J. M. Lemoine, Quebec—The Last Decade of French Rule at Quebec, 1749-1759 ; Parallèle historique entre le Comte de la Galissonière (1747-49) et le Conte de Dufferin (1872-78).

The Harbour Commissioners of Montreal—Annual Reports for 1889.

From Frederiks Universitets, Christiania—Calendar for 1888 and 1889.

American Society of Civil Engineers—Transactions for March and April, 1890.

From the author (R. W. McLachlan)—Canadian Numismatics, 1886; the Louisbourg Medals ; Canadian Numismatic Bibliography.

## DONATIONS TO THE PETER REDPATH MUSEUM

### FOR THE YEAR ENDING APRIL, 1890.

From The American National Museum, Washington—Collection of Cambrian fossils from Newfoundland.

From Mr. L. N. Bourgeois, Danville, P. Q.—Specimen of weathered vein.

From the Cowes Electric Smelting and Aluminium Co., Lockport, N. Y., per Dr. Waldo—Set of specimens of aluminium bronze.

From Mr. Horace T. Martin, Montreal—Specimens of Beaver cutting, chips and sticks, Maskinongé, P. Q., specimen of Polyporus ; specimen of Blastoiderinis from Isle Bizard.

Mr. E. T. Chambers, Montreal—Specimens of Calcite from Mile End.

The Geological Survey, Ottawa—Specimens of Fossil plants from McKenzie river.

Mr. Charles Gibb, B. A., Abbottsford, P. Q.—Specimens of Vesicular Trap and Morticulipora.

From Mr. T. W. Walsh, Ormstown, P. Q.—Three fossils from the Calciferous of Ormstown.

Lieut.-Col. Grant, Hamilton, Ont.—Collection of Niagara fossils.

From W. Symington Grieve, Edinburgh—Plate of egg and bone of the great Auk.

From Mr. E. T. Chambers, Montreal—Fossils from Lake St. John.

From Prof. D. P. Penhallow, Montreal—Collection of Marine Algæ and Maritime plants from the New England coast.

From Dr. R. J. B. Howard, B. A., London, England—Collection of European and Canadian Marine Algæ.

From Mr. W. L. Clay, B. A.—Two specimens of agatized wood from Arizona.

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From Mr. H. Richardson Richards, Montreal—Specimens of tin ore, from St. Agnes de Cornwall.

From Mr. J. Bailly, Montreal—Prepared and mounted sterna of several species of birds.

From Mr. James Reid, of Blairgowrie, Scotland—Specimens of Pterichthys and Estheria, from Devonian of Scotland.

From Principal Sir William Dawson—Specimens of corals from Manitoulin Island and Pleistocene plants from the Don river, collected by Mr. J. Townsend.

From the Hon. Sir Donald A. Smith—Eighteen mounted specimens of Canadian mammals and skeleton and skin of Musk ox.

From the Medical Faculty—Specimen of English lark and of parrot.

From Dr. Nichols—Tarantula, West Indies.

From Mr. R. D. Wilson—Specimen of natural grafting.

From Rev. H. A. Robertson, Erromanga—Collection of implements, weapons, etc., from the New Hebrides.

From Baron Von Mueller, Melbourne, Australia—Specimens of tertiary fruits, Ballarat.

From Mr. J. H. R. Molson and Mr. Charles Gibb.— Specimens of Crustacea and Fishes from Japan.

From Miss Carrie M. Derick—Specimens of minerals.

From Dr. G. P. Girdwood, Montreal—Specimens of African Camwood and Ebony.

From Mr. Robert A. Klock, B. A., Aylmer, P.Q.—Specimen of Moose (Alcos Americanus).

From Mr. W. E. Decks, B. A., Montreal—Crystallized Specimens of Iron Pyrites.

From Mr. James Baylis, Montreal – Specimens of Ostrea and Silicified wood from the Critaceous, South Saskatchewan.

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From Dr. B. J. Harrington, Montreal—Collection of Rocks from Porto Rico.

From Lieut.-Col. Grant, Hamilton, Ont.—Fucoids, Worm-burrows, etc., from the Clinton and Niagara formations, Hamilton.

From Miss Carrie M. Derich, Clarenceville, P.Q.—Specimens of Fossils from the Utica and Niagara formations.

From The Chalmers-Spence Company, New York—Collection of Asbestos Products.

From The Egyptian Exploration Fund and H. R. Ives, Esq., Hon. Secretary for Canada—Sculptured granite block from the Temple of Bubastis, Egypt.

From Mr. H. Hamilton, Hamilton—Group of Orthoclase Crystals from Renfrew, Ont.

# Observatory.

Latitude, N. 45° 30′ 17″. Longitude, 4h 54m 18s.55.
Height above sea level 187 ft.

*Superintendent.*—C. H. McLeod, Ma.E.

*Assistant Superintendent.*—G. H. Chandler, M.A.

*Assistant.*—E. H. Hamilton, B.A.S.C.

*Meteorological Observations* are made every fourth hour, beginning at 3h 0m Eastern standard time; also at 8h 0m and 20h 0m. Independent bi-hourly temperature observations are also made. The principal instruments employed are the following:—Two standard mercurial barometers; one Kew standard thermometer; two Pastorelli thermometers; one maximum thermometer; one minimum thermometer; one set of six self-recording thermometers, with controlling clock, battery, etc.; two anemometers; one wind vane (wind-mill pattern); one anemograph, with battery, etc.; one sunshine recorder; one rain-band spectroscope; one rain gauge; and several spare thermometers.

The Anemometer and Vane are on the summit of Mount Royal, at a point about three-quarters of a mile north-west of the Observatory. They are 57 feet above the surface of the ground and 810 feet above sea level.

*The Astronomical Equipment* consists of:—The Blackman Telescope (6¼ in.); a photoheliograph (4½ in.); a 3¼ in. transit, with striding level; two 2 in. transits, arranged as collimating telescopes; one sidereal clock; one mean-time clock; one sidereal chronometer; one mean-time chronometer; one chronograph; batteries, telegraph lines and sundry minor instruments.

Observations for clock errors are made on nearly every clear night. Time exchanges are regularly made with the Toronto Observatory. Time signals are distributed throughout the city by means of the noon time-ball, continuous clock signals, and the fire alarm bells; and to the country, through the telegraph lines.

Observations of sun spots, for position and area, are made with the Blackman telescope and the photoheliograph.

The Blackman telescope is also employed in occasional work and for educational purposes.

# University Gymnasium.

*Instructor.*—JAMES NAISMITH, B. A.

The classes, which are open to Students of all the Faculties, will meet at the University Gymnasium, at hours to suit, as far as possible, the convenience of Students, and which will be announced at the commencement of the Session.

THE WICKSTEED SILVER AND BRONZE MEDALS FOR PHYSICAL CULTURE (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the graduating class, and to students who have had instruction in the Gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter.

The award of these medals is made by Judges, appointed by the Corporation of the University.

Every competitor for the silver medal is required to lodge with the Judges, before the examination, a certificate of good standing in the graduating class, signed by the Dean or Secretary of the Faculty to which he belongs, and the medal will not be awarded to any student who may fail in his examination for the degree.

Classes for the students of the DONALDA SPECIAL COURSE for women will be conducted by MISS BARNJUM.

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# University Societies.

## THE GRADUATES' SOCIETY OF McGILL UNIVERSITY.

INCORPORATED 1880.

OFFICERS FOR 1890-91.

*President:*

W. T. SKAIFE, B.A.Sc.

*Vice-President:*

MISS J. HUNTER, B.A.

*Secretary:*

MR. WELLINGTON DIXON, B.A.

*Treasurer:*

PROF. C. H. McLEOD, Ma.E.

*Resident Councillors:* Rev. F. M. Dewey, M.A.; C. J. Fleet, B.A., B.C.L; G. S. Hall, B.A.; Octavin S. Ritchie, B.A.; W. Patterson, M.A.

*Non-Resident Councillors:* James Grant, M.D.Sc., Ottawa; W. J. SPROULE, B.A.Sc., British Columbia; J. J. McLaren, B.C.L., Toronto.

## OTTAWA VALLEY GRADUATES' SOCIETY.

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SIR JOHN A. MACDONALD, K.C.B.
*President:*
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## UNIVERSITY LITERARY SOCIETY.

ESTABLISHED 1869.

OBJECTS.—The encouragement of Literary and Scientific pursuits, and the promotion of self-culture among the members.

*President:*
MR. A. R. OUGHTRED, B.C.L.

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*Second Vice-President:*
R. A. DUNTON, B.C.L.

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*Recording Secretary:*
C. A. BARNARD, B.C.L.

*Treasurer:*
F. W. HIBBARD, B.A., B.C.L.

*Councillors:* Messrs. Selkirk Cross, McGoun, Fry, Mallie, Parmelee and Yates.

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## UNDERGRADUATES' LITERARY SOCIETY.

CONSTITUTED 1880.

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PEERS DAVIDSON.
*1st Vice-President:*
A. E. HARVEY.
*2nd Vice President:*
W. J. LEROSSIGNOL.

*Secretary:*
WM. OLIVER.
*Assistant Secretary:*
A. B. WOOD.
*Treasurer:*
A. C. SHUTTLEWORTH.

*Special Committee:* H. M. Kinghorn, A. H. Hawkins, G. W. McDougall, C. P. Ryan, A. Honeyman.

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## McGILL COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION.

OBJECT.—To promote the piety of its members and the cause of Christianity in the University.

MEMBERSHIP.—The active Membership of the Association shall consist of Graduates and Students of the University who are members of some Protestant church. Any Graduate and Student of good moral character may become an associate member. A social reception is given to new students at the beginning of the session.

SESSION 1890-91.

*Hon. President:*
SIR J. W. DAWSON, LL.D.
*President:*
GALEN CRAIK, Arts, '91.

*1st Vice-President:*
A. I. MADER, Med., '91.
*2nd Vice-President:*
JAS. TAYLOR, Arts, '92.
*Corresponding Secretary:*
W. S. PRITCHARD, Arts, '92.
*Recording Secretary:*
W. R. ELLENWOOD, Arts, '91.
*Treasurer:*
R. O. ROSS, Arts, '92.
*Assistant Treasurer:*
W. W. ALEXANDER, Med., '91.

CHAIRMEN OF COMMITTEES:

*Devotional:*
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*Missionary:*
G. S. CLENDINNEN, Arts.
*Music:*
W. F. COLCLOUGH, Arts, '90.
*Social Purity:*
W. E. DEEKS, Med., '93.
*On Handbook:*
I. A. GRAFTON, Med., '91.
*Membership:*
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Med. H. N. GOFF, Med., '93.
Sc. F. LAMBERT, Science, '93.
Comp. Med. A. W. GORHAM, Comp. Med., '91.
*Social:*
A. R. HOLDEN, Arts, '91.
*Bulletin:*
A. MCVICAR, Arts, '93.

## McGILL UNIVERSITY ATHLETIC ASSOCIATION.

ESTABLISHED 1884.

Open for Membership to Undergraduates in this University.

*President:*
SIR WILLIAM DAWSON, LL.D.
*Vice-President:*
A. R. HALL, B.A.

*Secretary:*
D. B. HOLDEN, B.A.

*Treasurer:*
B. J. HARRINGTON, B.A., Ph. D

*Assistant Treasurer:*
J. T. WHYTE.

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IN AFFILIATION.

*McGill Football Club.*
*Secy.:* W. GREGORY SMART.

*McGill Hockey Club.*
*Secy.:* H. Y. RUSSEL.

*McGill Cricket Club.*
*Secy.:* F. W. HIBBARD.

*University Lawn Tennis Club.*
*Secy.:* H. A. BUDDEN, B. A.

*Donalda Lawn Tennis Club.*
*Secy:* MISS M. N. EVANS.

Annual Field Meeting 17th October, 1890.

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## DELTA SIGMA SOCIETY.

ESTABLISHED 1884.

*President:* Carrie M. Derick.
*Vice-President:* Louise C. Smith.
*Secretary-Treasurer:* Ethelwyn Pitcher.
*Assistant Secretary:* Elizabeth Fairclough.
*Committee:* Misses Abbott, J. Botterell, Hall, Reay and Monk.

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## THEO DORA SOCIETY.

ESTABLISHED 1887.

Principal object for the present, the diffusion of information respecting Christian Missions, and the cultivation of a missionary spirit. Open for membership to students of the Donalda Special Course for women.

*President:* Annie Williams.
*Vice-President:* Eva Moffatt.
*Secretary-Treasurer:* Minnie MacDonald.
*Committee:* Misses Derick, Pattison, Ross and Millar.

MCGILL UNIVERSITY LIBRARY

## GLEE CLUB.

ESTABLISHED 1887.

*Manager:* Elizabeth Binmore.
*Secretary:* Florence Botterell.
*Committee:* Misses Millar, Moffatt and Ross.

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## McGILL UNIVERSITY MUSICAL ASSOCIATION.

*Honorary President*.....Sir William Dawson, LL.D.
" *Secretary*.....B. J. Harrington, Ph.D.
" *Treasurer*.....J. C. Cameron, M.D.
*Instructor*.....Mr. Wm. Bohrer.

OFFICERS FOR SESSION 1889-90.

*President*.....Norman Anderson, Med., '92.
*Secretary*.....Peers Davidson, Arts, '90.
*Treasurer*.....A. E. Shuttleworth, Ap. Sc., '90.

Devoted to voice culture and to the practice of college and other songs. Membership open to all students in the University. Annual fee $2.00. Meetings of one hour and a half held weekly during the college session.

In connection therewith there is also a Glee Club composed of from twenty-five to thirty voices chosen from among the members of the Association and devoted to the practice of part songs and glees.

During the coming session it is intended to inaugurate an Annual University Concert. Music now forms part of the official programme at convocations, dinners and other public functions, and is furnished by the Association.

## BENEFACTORS OF

# McGill University, Montreal.

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### I. *Endowments and Subscriptions of the University and of the Faculty of Arts.*

#### 1. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....$120,000

#### 2. UNIVERSITY BUILDINGS, ETC.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings, with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally opened to the public, August, 1882.

THE WILLIAM C. MCDONALD Physics building, the gift of William C. McDonald, Esq., announced by him as a gift to the University in 1890.

Lot for University building adjoining the College grounds, presented by J. H. R. Molson,—$47,000.

#### 3. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B A., in classes wholly separate, to constitute a separate Special Course or College for women,—$120,000.

#### 4. ENDOWED CHAIRS, ETC.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq., —$20,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S. and Hart Logan, Esq.,—$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham,—$20,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—$42,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to the Faculty of Arts.

THE WILLIAM C. MCDONALD CHAIR OF PHYSICS, in 1890, endowed by William C. McDonald, Esq.,—$50,000.

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—$40,000.

## 5. EXHIBITIONS AND SCHOLARSHIPS.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts, $100 annually—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of $1,667.

THE MCDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882 with the sum of $25,000, by William C. McDonald, Esq.—Annual value, $1,250.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871 by Charles Alexander, Esq.—Annual value, $120.

THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2,000, in 1884.—Annual value, $100.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts.—Annual value $125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of $1,500.—Annual value $75.

T. M. THOMPSON, Esq.—$250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872,—$450.

REV. COLIN C. STEWART—for the "Stewart Prize in Hebrew,"—$60.

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value $100—terminated in 1878.

PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-7,—$350.

## 6. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of $700.

In 1860 the sum of £200, presented to the College by H. R. H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physical Science.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England, from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint—was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G.S., &c.

In 1874 a Gold and Silver Medal were given by his Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1875 the "Neil Stewart prize of $20 in Hebrew" was endowed by Neil Stewart, Esq., of Vankleek Hill, in the sum of $340.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

THE "CHARLES G. COSTER MEMORIAL PRIZE" for general proficiency—given by Colin H. Livingstone, Esq., B. A., founded in 1889.

## 7. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

### 1856.

| | | | |
|---|---|---|---|
| John Gordon McKenzie, Esq. | $2000 | Charles Alexander, Esq | $600 |
| Ira Gould, Esq | 2000 | Moses E. David, Esq | 600 |
| John Frothingham, Esq | 2000 | Wm. Carter, Esq | 600 |
| John Torrance, Esq | 2000 | Thomas Patton, Esq | 600 |
| James B. Greenshields, Esq | 1200 | Wm. Workman, Esq | 600 |
| William Busby Lambe, Esq | 1200 | Hon. Sir A. T. Galt | 600 |
| Sir George Simpson, Knight | 1000 | Hon. Luther H. Holton | 600 |
| Henry Thomas, Esq | 1000 | Henry Lyman, Esq | 600 |
| John Redpath, Esq | 1000 | David Torrance, Esq | 600 |
| James McDougall, Esq | 1000 | Edwin Atwater, Esq | 600 |
| James Torrance, Esq | 1000 | Theodore Hart, Esq | 600 |
| Hon. James Ferrier | 1000 | William Forsyth Grant, Esq | 600 |
| Harrison Stephens, Esq | 1000 | Robert Campbell, Esq | 600 |
| Henry Chapman, Esq | 600 | Alfred Savage, Esq | 600 |
| Honourable Peter McGill | 600 | James Ferrier, jun., Esq | 600 |
| John James Day, Esq | 600 | William Stephen, Esq | 600 |
| Thomas Brown Anderson, Esq | 600 | N. S. Whitney, Esq | 600 |
| Peter Redpath, Esq | 600 | William Dow, Esq | 600 |
| Thomas M. Taylor, Esq | 600 | William Watson, Esq | 600 |
| Joseph McKay, Esq | 600 | Edward Major, Esq | 600 |
| Donald Lorn McDougall, Esq | 600 | Honourable Charles Dewey Day | 200 |
| Hon. Sir John Rose | 600 | John R. Esdaile, Esq | 200 |

### 1871.

| | | | |
|---|---|---|---|
| William Molson, Esq | $5000 | T. W. Ritchie, Esq | $600 |
| William C. McDonald, Esq | 5000 | Messrs. A. & W. Robertson | 600 |
| Thomas Workman, Esq | 5000 | Messrs. Sinclair, Jack & Co | 250 |
| John Frothingham, Esq | 5000 | John Reddy, M.D. | 100 |
| J. H. R. Molson, Esq | 5000 | Wm. Lunn, Esq | 100 |
| John McLennan, Esq | 2000 | Kenneth Campbell, Esq | 100 |
| B Gibb, Esq | 600 | R. A. Ramsay, Esq | 100 |
| W. Notman, Esq | 600 | William Rose, Esq | 50 |

1881-82.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $5000 | O. S. Wood, Esq | $1000 |
| G. A. Drummond, Esq | 4000 | J. S. McLachlan, Esq | 1000 |
| George Hague, Esq | 3000 | J. B. Greenshields, Esq. (London) | 1000 |
| M. H. Gault, Esq | 2000 | Warden King, Esq | 1000 |
| Andrew Robertson, Esq | 1000 | W. B. Cumming, Esq | 1000 |
| Robertson Campbell, Esq | 1000 | Mrs. Hew Ramsay | 500 |
| Sir J. Hickson, and Lady Hickson | 1000 | R. A. Ramsay, Esq | 500 |
| Mrs. Andrew Dow | 1000 | H. H. Wood, Esq | 500 |
| Alexander Murray, Esq | 1000 | James Burnett, Esq | 500 |
| Miss Orkney | 1000 | Charles Gibb, Esq | 500 |
| Hector McKenzie, Esq | 1000 | | |

1883—84.

Edward Mackay, Esq ..... $5000

8. SUBSCRIPTIONS FOR CURRENT EXPENSES, 1881-82.

| | | | |
|---|---|---|---|
| Principal Dawson | $1000 | Being | $1000 |
| J. H. R. Molson, Esq | 1000 | Per annum, 5 years being | 5000 |
| George Stephen, Esq | 1000 | " " | 5000 |
| Hon. Donald A. Smith | 1000 | " " | 5000 |
| David Morrice, Esq | 200 | " " | 1000 |
| Messrs. Gault Brothers & Co | 200 | " " | 1000 |
| Messrs. A. S. & S. H. Ewing | 200 | " " | 1000 |
| Hon. Robert Mackay | 300 | Per annum, 2 years, being | 600 |
| Jonathan Hodgson, Esq | 100 | Per annum, 5 years, being | 500 |
| Geo. M. Kinghorn, Esq | 100 | " " | 500 |
| Thomas Craig, Esq | 100 | Per annum, 2 years, being | 200 |
| John Rankin, Esq | 200 | Being | 200 |
| John Duncan, Esq | 200 | " | 200 |
| Robert Benny, Esq | 100 | " | 100 |
| Miss E. A. Ramsay | 100 | " | 100 |
| Hugh Paton, Esq | 50 | For 2 years, being | 100 |
| George Brush, Esq | 25 | For 5 years, being | 125 |
| J. M. Douglas, Esq | 50 | Being | 50 |
| James Court, Esq | 50 | " | 50 |
| David J. Greenshields, Esq | 300 | " | 300 |

1887-8.

| | | | |
|---|---|---|---|
| John H. R. Molson, Esq | $1000 | Per annum, 3 years, being | $3000 |
| W. C. McDonald, Esq | 1000 | " " " | 3000 |
| Peter Redpath, Esq | 1000 | " " " | 3000 |
| Hon. Sir Donald A. Smith, K.C.M.G. | 1000 | " " " | 3000 |
| Hon. Jas. Ferrier | 500 | " " " | 1500 |
| Sir Joseph Hickson | 500 | " " " | 1500 |
| Hugh McLennan, Esq | 250 | " " " | 750 |
| E. B. Greenshields, Esq | 250 | " " " | 750 |
| George Hague, Esq | 250 | " " " | 750 |
| John Molson, Esq | 250 | " " " | 750 |
| Samuel Finley, Esq | 250 | " " " | 750 |
| Mrs. Mackay, 1888 89 | | | $100 |
| Do 1889-90 | | | 100 |

## II. *Endowments and Subscriptions for the Faculty of Applied Science.*

1. BUILDINGS, CHAIRS, ETC.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—$30,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to Faculty of Applied Science.

THE THOMAS WORKMAN DEPARTMENT OF MECHANICAL ENGINEERING—founded under the last will of the late Thomas Workman Esq., and endowed with the sum of $117,000. The sum of $60,000 for the maintenance of a Chair of Mechanical Engineering, with the assistance, shops, machinery and apparatus necessary thereto, $57,000 to be expended in the provision of necessary buildings, machinery and apparatus. Any balance of this to be added to the invested endowment for the maintenance of the said Department.

THE WILLIAM C. MCDONALD TECHNICAL BUILDING—announced by the donor as a gift to the University in 1890, and now in process of erection.

## 2. EXHIBITIONS AND SCHOLARSHIPS.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of $1,100, subscribed by members of the Society, and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science —Annual value $66.

THE BURLAND SCHOLARSHIP— founded 1882, by J. H. Burland, B. A. Sc., $100 for a Scholarship in Applied Science, for three years, being $300.

## 3. MEDALS AND PRIZES.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the council of the Association, in commemoration of its meeting in Montreal in the year 1884.

In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

## 4. ENDOWMENTS AND SUBSCRIPTIONS FOR MAINTENANCE OF FACULTY OF APPLIED SCIENCE.

*Endowment Fund.*

| | |
|---|---|
| Daniel Torrance, Esq | $5000 |
| George Moffatt, Esq | 1000 |
| Charles J. Brydges, Esq | 1000 |

*Annual Subscriptions*, 1871-1879.

| | |
|---|---|
| Hon. James Ferrier (per annum, for 10 years) | $100 |
| Peter Redpath, Esq. (per annum, for 10 years) | 400 |
| John H. R Molson, Esq. (per annum, for 10 years) | 400 |
| George H. Frothingham, Esq. (per annum, for 7 years) | 400 |
| T. James Claxton, Esq. (per annum, for 6 years) | 100 |

UNIVERSITY LIBRARY

| | |
|---|---|
| Donald Ross, Esq. (per annum, for 5 years) | $ 50 |
| Miss Mary Frothingham (per annum, for 3 years) | 400 |
| H. McLennan, Esq. (per annum, for 5 years) | 100 |
| A. F. Gault, Esq. ( do do ) | 100 |
| Gilbert Scott, Esq., for 2 years | 100 |
| Joseph Hickson, Esq., do | 100 |
| Principal Dawson, do | 300 |
| His Excellency the Marquis of Lorne | 500 |
| Mrs. Redpath (Terrace Bank) | 100 |

*To provide lectures in Mechanical and Sanitary Engineering.*

| | |
|---|---|
| E. B. Greenshields, Esq | $ 50 |
| J. E. Bovey, Esq | 50 |
| Professor H. T. Bovey | 61 |
| Jeffrey H. Burland, B.A.Sc., $100 for 2 years | 200 |
| Smaller amounts | 40 |

*Chair of Practical Chemistry.*

| | | | |
|---|---|---|---|
| Hon. C. Dunkin, M.P. | $1200 | P. Redpath, Esq. | $ 226 |
| Principal Dawson | 1200 | | |

*Class Rooms for Faculty of Applied Science*, 1888.

| | |
|---|---|
| John R. Molson, Esq | $3000 |
| W. C. McDonald, Esq | 3000 |

## III. *Endowments and Subscriptions in aid of the Faculty of Medicine.*

### 1. LEANCHOIL ENDOWMENT.

| | |
|---|---|
| Sir Donald A. Smith, K.C.M.G | $50,000 |

### 2. CAMPBELL MEMORIAL ENDOWMENT—$63,000.

Established to commemorate the services rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

| | | | |
|---|---|---|---|
| Mrs. G. W. Campbell | $2000 | Mrs. John Redpath | $ 1000 |
| H. A. Allan, Esq | 1500 | Hon. John Hamilton | 1000 |
| Sir D. A. Smith | 1500 | Miss Orkney | 1000 |
| Sir George Stephen, Bart | 1000 | Hugh McKay, Esq | 1000 |
| R. B. Angus, Esq | 1000 | Hector McKenzie, Esq | 1000 |
| George A. Drummond, Esq | 1000 | Thomas Workman, Esq | 1000 |
| Alex. Murray, Esq | 1000 | Hugh McLennan, Esq | 1000 |
| Robt. Moat, Esq | 1000 | O. S. Wood, Esq | 1000 |
| W. C. McDonald, Esq | 1000 | James Burnett, Esq | 500 |
| A Friend | 1000 | Andrew Robertson, Esq | 500 |
| Duncan McIntyre, Esq | 1000 | Robt. McKay, Esq | 500 |
| Alex. Buntin, Esq | 1000 | John Hope, Esq | 500 |
| A. F. Gault, Esq | 1000 | Alex. Urquhart, Esq | 500 |
| M. H. Gault, Esq | 1000 | E. K. & G. A. Greene, Esqrs | 500 |
| G. W. Stephens, Esq | 1000 | R. A. Smith, Esq | 500 |
| James Benning, Esq | 1000 | Geo. Hague, Esq | 500 |
| R. P. Howard, M.D. | 1000 | J. K. Ward, Esq | 500 |
| Frank Buller, M.D. | 1000 | Warden King, Esq | 500 |
| G. B. & J. H. Burland, Esqrs | 1000 | John Sterling, Esq | 500 |
| Miss Elizabeth C. Benny | 1000 | John Rankin, Esq | 500 |
| J. C. Wilson, Esq | 1000 | Messrs. Cantlie, Ewan & Co | 500 |

| | | | |
|---|---|---|---|
| Robt. Reford, Esq | $ 500 | R. T. Godfrey, M.D | $ 100 |
| Messrs. J. & W. Ogilvie | 500 | T. A. Roger, M.D | 100 |
| Randolph Hersey, Esq | 500 | W. A. Dyer, Esq | 100 |
| John A. Pillow, Esq | 500 | Geo. Wood, M.D. (Faribault, Minn.) | 100 |
| S. Carsley, Esq | 500 | A. A. Browne, M D | 100 |
| D. C. MacCallum, M.D | 500 | George Wilkins, M D | 100 |
| Messrs. McLachlan Bros | 500 | R. L. MacDonnell, M.D | 100 |
| Messrs. S. Greenshields, Son & Co. | 500 | Joseph Workman, M.D. (Toronto) | 50 |
| Jonathan Hodgson, Esq | 500 | Hon. Sir A. T. Galt | 50 |
| Duncan McEachran, Esq., F.R.C.V.S. | 500 | Henry Lunam, B.A., M.D. (Campbellton, N.B) | 50 |
| Geo. Ross, M.D | 500 | R. J. B. Howard, M.D | 25 |
| T. G. Roddick, M.D | 500 | T J. Alloway, M.D | 25 |
| Wm. Gardner, M.D | 500 | Louis T. Marceau, M.D. (Napierville, Q.) | 25 |
| G. P. Girdwood, M.D | 500 | Griffith Evans, M D. (Vet. Dept. Army) | 25 |
| G. E. Fenwick, M.D | 500 | J. J. Farley, M.D. (Belleville) | 25 |
| Alex. Ramsay, Esq | 500 | Henry R. Gray, Esq | 25 |
| Messrs. Cochrane, Cassils & Co. | 500 | J. E. Brouse, M.D. (Prescott) | 20 |
| Sir Joseph Hickson | 500 | R. F. Rinfret (Quebec) | 20 |
| Allan Gilmour, Esq. (Ottawa) | 500 | Robt. Howard, M.D. (St. Johns) | 20 |
| R. W. Shepherd, Esq | 500 | Drs. J. & D. J. McIntosh (Vankleek Hill) | 20 |
| Miles Williams, Esq | 300 | J. H. McBean, M.D | 15 |
| Chas. F. Smithers, Esq | 250 | J C. Rattray, M.D. (Cobden, O.) | 10 |
| John Kerry, Esq | 250 | J. H. Howard, M.D. (Lachine) | 10 |
| A. Baumgarten, Esq | 250 | J. W. Oliver, M.D. (Clifton, O.) | 10 |
| R. W. Elmenhorst, Esq | 250 | D. A. McDougall, M.D. (Ottawa, O.) | 10 |
| W. F. Lewis, Esq | 250 | A. Pousette, M.D. (Sarnia, O.) | 10 |
| Geo. Armstrong, Esq | 250 | A. Ruttan, M.D. (Napanee, O.) | 10 |
| J. M. Douglas, Esq | 250 | James Gunn, M.D. (Durham, O.) | 10 |
| Messrs. H. Lyman, Sons & Co. | 250 | J. McDiarmid, M.D. (Hensall, O.) | 5 |
| William Osler, M.D | 250 | W. J. Derby, M.D. (Rockland, O.) | 5 |
| F. J. Shepherd, M.D | 250 | J. Gillies, M.D. (Teeswater, O.) | 5 |
| Benj. Dawson, Esq | 200 | J. B. Benson, M.D. (Chatham, N.B.) | 5 |
| R. Wolff, Esq | 150 | L. A. Fortier, M.D. (St. David, Q.) | 5 |
| James Stuart, M.D | 150 | J. A. McArthur, M.D. (Fort Elgin, O.) | 5 |
| A. T. Paterson, Esq | 100 | John Campbell, M.D. (Seaforth, O.) | 5 |
| H. W. Thornton, M.D. (New Richmond, Q) | 100 | | |
| M. E David, Esq | 100 | | |
| C. B. Hanvey, M.D. (Yale, B.C). | 100 | | |
| D. Cluness, M.D. (Nanaimo, B.C.) | 100 | | |
| W. Kinlock, Esq | 100 | | |
| Hua & Richardson | 100 | | |
| Mrs. Cuthbert (New Richmond, Q.) | 100 | | |
| J. M. Drake, M.D | 100 | | |
| Hugh Paton, Esq | 100 | | |

## 3. MEDALS AND SCHOLARSHIPS.

In 1865 the "Holmes Gold Medal" was founded by the Medical Faculty, as a memorial of the late Andrew Holmes, Esq, M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who should undergo a special examination in all the branches, whether Primary or Final.

In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for

competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.

THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value $100. (Terminated in 1883.)

### 4. LIBRARY, MUSEUM AND APPARATUS.

*For the fittings of the Library and Museum of the Faculty of Medicine*, 1872.

| | | | |
|---|---|---|---|
| G. W. Campbell, A. M., M.D | $1200 | Robert Craik, M.D | $200 |
| W. E. Scott, M.D | 200 | Geo. E Fenwick, M.D | 200 |
| Wm. Wright, M.D | 200 | Joseph M. Drake, M.D | 200 |
| Robert P. Howard, M.D | 200 | George Ross, M.A., M.D | 50 |
| Duncan C. MacCallum, M.D | 200 | | |
| The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine | | Donation to Apparatus, Museum, Library, etc., of the Medical Faculty, 1887, $1,182; 1888, $1,023. | 2205 |

*For Physiological Laboratory of Medical Faculty*, 1879.

| | | | |
|---|---|---|---|
| Dr. Campbell | $100 | Dr. Ross | $50 |
| Dr. Howard | 100 | Dr. Roddick | 50 |
| Dr. Craik | 100 | Dr. Buller | 50 |
| Dr. MacCallum | 100 | Dr. Gardner | 50 |
| Dr. Drake | 100 | Dr. Osler | 50 |
| Dr. Godfrey | 100 | | |
| Dr. McEachran, F.R.C.V.S | 100 | | $ 950 |

*Cameron Obstetrical Collections.*

Dr. J. C. Cameron ..... $10,000

## IV. *Endowments and Subscriptions of the Faculty of Law.*

### 1. ENDOWED CHAIRS.

THE GALE CHAIR, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale) of Montreal, in memory of her father, the late Honorable Mr. Justice Gale,—$25,000; part received, May, 1890.

THE WILLIAM C. MCDONALD Law Faculty Endowment, founded by William C. McDonald, Esq. (1890)—$150,000.

### 2. MEDAL.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

## V. *Subscriptions and Donations for Special objects.*

### 1. FOR APPARATUS.

| | |
|---|---|
| William Molson, Esq., Philosophical Apparatus, 1867 | $ 500 |
| John H. R. Molson, Esq., for the same | 500 |
| Peter Redpath, Esq., for the same | 500 |
| George Moffatt, Esq., for the same | 250 |
| Andrew Robertson, Esq., for the same | 100 |
| John Frothingham, Esq., for the same | 100 |
| David Torrance, Esq., for the same | 100 |
| | $ 2,000 |

A Telescope and Astronomical Instrument, the gift of Charles T. Blackman, Esq, of Montreal, and called after his name.

| | |
|---|---|
| Thos. J. Barron, B.A., Philosophical Apparatus | $ 50 |
| J. H. R. Molson, Esq., Dynamo, Gas Engine and Fixtures | 1792 |
| A Lady, for the purchase of Mining Models | 1000 |
| Thos. McDougall, Esq., for the same | 25 |
| J. Livesey, Esq., through Dr. Harrington, for the same | 50 |
| Geo. Stephen, Esq., for the same | 50 |
| Charles Gibb, B.A., donation for Apparatus in Applied Science | 50 |
| The Local Committee for the reception (1881) of American Society of Civil Engineers — For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Science | 475 |
| Capt. Adams, Chemical Apparatus | 10 |
| J. H. Burland, B.A. Sc., Chemical Apparatus | 25 |
| Mrs. Redpath, Storage battery | 400 |
| W. C. McDonald, Esq., Apparatus for Chemical Laboratory | 2075 |
| The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884 | 1500 |

## 2. FOR LIBRARY AND MUSEUM.

| | |
|---|---|
| John Thorburn, for purchase of Books | $ 90 |
| Andrew Drummond, do for Applied Science | 25 |
| T. J. Claxton, Esq., for purchase of Specimens for Museum | 250 |
| Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells | 233 |
| A Lady for Museum Expenses, in 1882 | 1000 |
| A Lady for Museum Expenses, in 1883-4 and 1887 | 3000 |
| A friend for the purchase of specimens for the Museum | 1900 |
| Wm. Molson, Esq., for Library Fund | 4000 |
| Wm. Molson, Esq., for Museum Fund | 2000 |
| Hon. F. W. Torrance, for Mental and Moral Philosophy Book Fund | 1000 |
| Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund | $1000 |
| A Friend, by the Hon. F. W. Torrance | 400 |
| Peter Redpath, Esq., for Museum Expenses, 1882, $1,000; '83, $1,000; '84, $1,000; '85, $1,000; '86, $1,000; '87, $1,000; '88, $1,000; '89, $1000 | 8000 |
| The Graduates in Arts and Applied Science of 1885 for purchase of Books | 31 |
| Do of 1886 | 28 |
| The late R. A. Ramsay, Esq., Bequest for purchase of books. | 1000 |
| John H. R. Molson for purchase of book on "Butterflies of Eastern U.S. and Canada" | 50 |
| Andrew Drummond, Esq., to Library Fund of Faculty of Applied Science | 25 |

## 3. FOR A BUILDING FOR THE CARPENTER COLLECTION OF SHELLS, 1868.

| | |
|---|---|
| Peter Redpath, Esq | $500 |
| William Molson, Esq | 500 |
| Harrison Stephen, Esq | 100 |
| Robert J. Reekie, Esq | 100 |
| John H. R. Molson, Esq | 100 |
| Sir Wm. E. Logan, Esq., F.R.S. | 100 |
| John Molson, Esq | 100 |
| Thos. Workman, Esq., M.P. | 100 |
| Geo. H. Frothingham, Esq | 100 |
| Wm. Dow, Esq | $100 |
| Thos. Rimmer, Esq | 100 |
| Andrew Robertson, Esq | 100 |
| Mrs. Redpath | 100 |
| Benaiah Gibb, Esq | 50 |
| Honorable John Rose | 50 |
| | $2,200 |

## 4. FOR THE ERECTION OF THE LODGE AND GATES.

| | | | |
|---|---|---|---|
| William Molson, Esq | $100 | James A. Mathewson, Esq | $100 |
| John H. R. Molson, Esq | 100 | Peter Redpath, Esq | 100 |
| William Workman, Esq | 100 | G. H. Frothingham, Esq | 100 |
| Joseph Tiffin, jr., Esq | 100 | G. D. Ferrier, Esq | 100 |
| Thos. J. Claxton, Esq | 100 | Geo. W. Warner, Esq | 100 |
| James Linton, Esq | 100 | John Smith, Esq | 100 |
| William McDougall, Esq | 100 | Charles Alexander, Esq | 100 |
| Charles J. Brydges, Esq | 100 | J. Evans, Esq | 100 |
| George A. Drummond, Esq | 100 | Henry Lyman, Esq | 100 |
| Thomas Rimmer, Esq | 100 | | $2,100 |
| William Dow, Esq | 100 | | |
| John Frothingham, Esq | 100 | | |

## 5. FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84.

| | | | |
|---|---|---|---|
| Principal Dawson | $500 | Per annum, 5 years, being | $2500 |
| Hon. Sir. D. A. Smith | 250 | " " " | 1250 |
| J. H. R. Molson, Esq | 100 | " " " | 500 |
| Mrs. J. H. R. Molson | 100 | " " " | 500 |
| G. Hague, Esq | 100 | " " " | 500 |
| Mrs. Redpath | 100 | " " " | 500 |
| Hugh McKay, Esq | 100 | " " " | 500 |
| Robert Moat, Esq | 100 | " " " | 500 |
| W. C. McDonald, Esq | 100 | " " " | 500 |
| Charles Gibb, Esq | 50 | " " " | 250 |
| Miss Orkney | 50 | " " " | 250 |
| Robert McKay, Esq | 50 | " " " | 250 |
| Mrs. Molson | 50 | " " " | 250 |
| Mrs. John Molson | 50 | " " " | 250 |
| John Stirling, Esq | 50 | " " " | 250 |
| Warden King, Esq | 50 | " " " | 250 |
| Miss Hall | 50 | " " " | 250 |
| Robert Angus, Esq | 50 | " " " | 250 |
| D. A. P. Watt, Esq | 50 | " " " | 250 |
| Hugh McLennan, Esq | 25 | " " " | 125 |
| Sir. Joseph Hickson | 10 | " " " | 50 |
| Mrs. Philips | 10 | | 10 |

## 6. IN AID OF THE CHAIR OF HEBREW, 1889.

| | | | |
|---|---|---|---|
| Warden King, Esq | $50 | Per annum, 3 years, being | $150 |
| Principal Sir William Dawson | 50 | " " " | 150 |
| Hon. Hugh Mackay | 50 | " " " | 150 |
| A. F. Gault, Esq | 25 | " " " | 75 |
| Geo. Hague, Esq | 25 | " " " | 75 |
| T. A. Dawes, Esq | 25 | " " " | 75 |
| S. Carsley, Esq | 25 | " " " | 75 |

## 7. FOR MUSICAL INSTRUCTION IN THE DONALDA SPECIAL COURSE FOR WOMEN.

Hon. Sir Donald A. Smith ..... $200

## 8. FOUNDER'S TOMB.

R. A. Ramsay, M.A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill ..... $150

### 9. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment, to furnish annually a Scholarship or Prize in a "College for Women" affiliated to the University, or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present $1,100.

### 10. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 2368 Volumes.
2. The Robson Collection of works in Archæology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volumes.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Sir. Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

### 11. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium, presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells, presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
7. The Portrait of Peter Redpath, Esq., painted by Mr. Sidney Hodges of London, and presented by Citizens of Montreal.
8. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., and J. H. Burland, Esq.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report to the Museum.)

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## VI. *The Graduates' Fund.*

### 1. THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution :—

*Resolved*:—"That the members and graduates be invited to subscribe to a "fund for the endowment of the Libraries of the University ; said fund to be in- "vested and the proceeds applied under the supervision of the Council of the "Society in annual additions to the Libraries ; an equitable division of said pro- "ceeds to be made by the Council between the University Library and those of "The Professional Faculties."

In terms thereof the following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, or in instalments, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Baynes, O'Hara, B.C.L. | $ 50 | Hall, J. S., jun., B.A., B.C.L. | $ 50 |
| Bethune, M.B., M.A., B.C.L. | 50 | Hall, Rev. W., M.A. | 10 |
| Blackader, Alex. D., B.A., M.D. | 50 | Harrington, B. J., B.A., Ph.D. | 50 |
| Burland, J. H., B.A.Sc. | 120 | Holton, Edward, B.C.L. | 100 |
| Browne, A. A., B.A., M.D. | 50 | Hutchinson, M., B.C.L. | 5 |
| Cline, J. D., B.A., M.D. | 25 | Keller, F. J., B.C.L. | 25 |
| Cushing, Lemuel, LL.D., B.C.L. | 25 | Kelley, F. W., B.A., Ph.D. | 100 |
| Dougall, J. R. M.A. | 50 | Laing, Rev. R., M.A. | 100 |
| Ells, R. W., LL.D. | 50 | Lyman, F. S., B.A., B.C.L. | 50 |
| Empson, Rev. J., M.A. | 25 | Lyman, H. H., M.A. | 100 |
| Gardner, Wm., M.D. | 100 | Mackenzie, Fred., B.C.L. | 100 |
| Gibb, Charles, B.A. | 50 | Maclaren, J. J., M.A., D.C.L. | 100 |
| Gilman, F.E., LL.D., B.C.L. | 100 | Macleod, C. H., Ma.E. | 50 |
| Gould, C. H., B.A. | 100 | Macmaster, D., B.C.L. | 100 |
| Marler, Wm. DeM., B.A., B.C.L. | 125 | Robins, S. P., LL.D. | 50 |
| McCord, D. R., M.A., B.C.L. | 100 | Roddick, T. G., M.D. | 100 |
| McGregor, James, LL.D. | 80 | Ross, George M.A., M.D. | 100 |
| Molson, Wm., M.D. | 100 | Shepherd, J. F., M.D. | 100 |
| Osler, Wm., M.D. | 100 | Torrance, J. F., B.A., B.A. Sc. | 100 |
| Ramsay R. A., M.A., B.C.L. | 100 | Trenholme, N. W., M.A., D.C.L. | 100 |
| Rexford, Rev. E. I., B.A. | 50 | | |
| Robertson, Alex., B.A. | 100 | Total to date | $3,090 |

## 2. THE DAWSON FELLOWSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a Fund towards the Endowment of the Fellowship, under the above name.

Details of the scheme can be had from the Treasurer, C. H. McLeod, Esq., Ma.E. The following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, in instalments, without interest or with interest till payment of capital, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Abbott, H., B.C.L. | $ 60 | Lyman, H. H., M.A. | $ 100 |
| Archibald, H., B.A.Sc. | 20 | Lyman, A. C., M.A., B.C.L. | 50 |
| Bethune, M. B., M.A., B.C.L. | 50 | McCormick, D., B.C.L. | 100 |
| Carter, C. B., B.C.L. | 100 | McGibbon, R. D., B.A., B.C.L. | 100 |
| Cruickshank, W. G., B.C.L. | 100 | McGoun, A., jun., M.A., B.C.L. | 50 |
| Dawson, W. B., M.A., Ma.E. | 50 | McLennan, J. S., B.A. | 100 |
| Dougall, J. R., M.A. | 250 | Ramsay, R. A., M.A., B.C.L. | 50 |
| Gibt, C., B.A. | 100 | Spencer, J. W., B.A.Sc., Ph.D. | 50 |
| Hall, Rev. Wm., M.A. | 100 | Stephen, C. H., B.C.L. | 100 |
| Hall, J. S., jun., B.A., B.C.L. | 100 | Stewart, D. A., B.A.Sc. | 20 |
| Harrington, B. J., B.A., Ph.D. | 50 | Stewart, J., M.D. | 60 |
| Hutchinson, M., B.C.L. | 400 | Tait, M. M., B.C.L. | 100 |
| Kirby, J., LL.D., D.C.L. | 50 | Taylor, A. D., B.A., B.C.L. | 100 |
| Kraus, Rev. E. H., M.A., LL.D. | 100 | Trenholme, N. W., M.A., D.C.L. | 400 |
| Leet, S. P., B.C.L. | 100 | | |
| Lighthall, W. D., M.A., B.C.L. | 100 | Total to date | $3,010 |

APPENDIX.

# Faculty of Law.

Principal : Sir William Dawson, LL.D. (Ex Officio).

N. W. Trenholme, Q.C., M.A., D.C.L., Dean, and Gale Professor of Roman and International Law.

Honorable Mr. Justice Wurtele, D.C.L., Professor of the Law of Real Estate.

J. S. Archibald, Q.C., D.C.L., Professor of Commercial Law.

L. H. Davidson, Q.C., M.A., D.C.L., Professor of Commercial Law.

Christophe A. Geoffrion, Q.C., B.C.L., Professor of Law of Contracts.

Archibald McGoun, M.A., B.C.L., Professor of Legal Bibliography.

Thomas Fortin, LL.L., Professor of Civil Procedure and Municipal Law.

W. DeM. Marler, B.A., B.C.L., Professor of Notarial Law.

C. J. Doherty, Q.C., B.C.L., Professor of Civil Law.

Harry Abbott, Q.C., B.C.L., Professor of Commercial Law.

Eugene Lafleur, B.A., B.C.L., Professor of Civil Law.

Dean of Faculty.—Professor Trenholme.

Secretary and Librarian of the Faculty.—Professor McGoun.

Corporation Examiners for Degrees.—Professors Trenholme and Fortin.

Matriculation Examiners of the Faculty.—Professors Archibald and Lafleur

The Faculty of Law feels much satisfaction in being able to announce that the important step, so long and earnestly desired by all friends of the University, of placing the McGill School of Law on such a substantial and permanent basis as to enable it efficiently to perform its part in the great work of legal education in Canada, has been recently accomplished by the munificent endowment presented to the University by Mr. William C. McDonald. This endowment places the Faculty in a position to offer to those who desire to study the law, either with a view to its practice as a profession or as a means of culture, or as a qualification for the discharge of the higher duties of citizenship, a comprehensive and complete course of legal study, with the use of library, reading room and other aids which have not heretofore been at the command of the Faculty The course of study to be pursued, extending over a period of three

years, and the instruction to be imparted, while designed thoroughly to qualify professional students for the practice of their profession, will also fully recognize the important fact, which, no doubt, was a main inducement for the action of the Faculty's generous benefactor, that upon the character of the Bar depends that of the Bench and of the administration of justice, and to a great extent also the character of the public men and public life of the country; that, in fact, from the ranks of no other profession, are so many called to fill high positions of trust and to perform duties, the efficient and upright discharge of which is of vital importance to the community.

In reorganizing the Faculty, under the W. C. McDonald endowment, a number of well-known names have been added to the staff, as shown above, and the courses largely specialized. It was felt, that while professional men, engaged in the active practice of their profession, might be relied upon to deliver regularly a limited number of lectures on special subjects, they could not be expected to undertake to submit to the serious interference with their business and inevitable interruptions, involved in very lengthy courses. And to obviate the difficulties and drawbacks necessarily arising from sole dependence, as heretofore, on professional men in active practice, for attending to the interests and maintaining the efficiency of the Faculty, and to meet a deeply-felt want in this respect, the Dean has been appointed as a salaried officer, whose duty it will be primarily to devote his whole time to the work.

Further, the Professor of Legal Bibliography has been appointed secretary and librarian, and will have supervision of the Library,—comprising at present the law libraries of the late Mr. Griffin, Q.C., of the late Chancellor Day, and of part of the library of the late Mr. Justice McKay, all of which were bequeathed to the University; and also of the law library of the late Mr. Justice Torrance, now the property of the Fraser Institute, of which he was a trustee—the use of which has been generously granted to the Faculty by the present trustees. The above law books will of themselves afford to the law student a library which will generally prove sufficient for his wants, and which will be kept up and added to by the expenditure of a sum annually in the purchase of books. There will also be provided in connection therewith a reading room, in which the leading law magazines and literature of the day will be found.

As a place for the study of Law by professional students, Montreal affords undoubted advantages, among other reasons, on account of the great variety and extent of the legal business done there, the constant sitting of all the principal courts of the Province, and the large number of first-class law offices open to students; while for all students, and especially for students of historic and philosophic jurisprudence, no more interesting or attractive legal system exists than that prevailing in this Province, where may be daily seen and studied, not simply theoretically, but in active operation as parts of our law, the three famous systems of jurisprudence,—Roman, French and English, with additions and modifications introduced by our own legislatures and courts. The imposing features of the Roman Law may be recognized throughout the greater portion of our Civil Code, often combined with or incorporated into that noble system elaborated and perfected by Pothier and other great French jurists, both of the ancient and modern epochs, which is the direct source of most of our civil law; while nearly the whole body of English Criminal and Constitutional law and large portions of English Commercial law are equally parts of the law of this Province.

The importance of the Notarial profession, and of a knowledge of notarial practice and conveyancing, has led to the appointment as a full member of the faculty of a Professor of Notarial law, whose course of lectures will be attended by all professional students.

With a view to extending as far as possible the usefulness of the Faculty, the courses of lectures on commercial subjects have been so arranged, that young men engaged in banks or other business houses can attend them without interference with their regular duties. Students of other departments of the University, and, in fact, all who may desire to do so, may attend such particular courses as they may see fit to select. It is hoped that the courses delivered will be found beneficial to all students, indeed to all who may desire to know something of the constitution and laws by which they are governed, and of a science which has been characterized by Burke, as "the collected reason of ages, combining the principles of original justice and the infinite variety of human concerns."

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The classes in Law will begin with an opening lecture in the Hall of the Fraser Institute, on Wednesday, the first of October, 1890.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on Wednesday, 24th September, at 4 p.m.

While the Faculty accept for matriculation the requirements stated in the Regulations below, they nevertheless strongly recommend students intending to study law to take the B.A. course in the Faculty of Arts as a preliminary qualification; and if that be not attainable, as much as possible of the Arts course.

The lectures will be delivered in the Faculty Rooms in two terms; the first beginning on Thursday, 2nd October, 1890, and the second beginning on Monday, 5th January, 1891.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the session.

The complete course of study in this Faculty extends over three years.

Two scholarships, each of one hundred dollars, are offered for competition among students whose domicile is not in Montreal or vicinity. They will be awarded, after the Sessional Examinations in April, 1891, upon the results of the Examinations of the first year, and will be payable during the second year.

Prizes open to competition of all the students, will also be given to the students taking the best standing in each year.

No scholarship or prize shall, however, be awarded to any student unless a sufficiently high standing, in the estimation of the Faculty, be attained, to merit it.

Matriculated students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation for attendance on any particular series of Lectures.

Students who have completed their course of three years, and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

COURSE OF STUDY FOR 1890-91.

*Roman Law:*

1st Year.
History of Roman Law
Maine, Ancient Law, cap. I. to IV
Institutes of Justinian, Bk. I
Gaius, Commentaries, I
2nd and 3rd Years.
Institutes of Justinian, Bk. II. et seq
Gaius, Commentaries, III. et seq
Maine, Ancient Law, cap. IV. et seq
} The DEAN.

*Criminal Law*
*International Law*
} The DEAN.

*Law of Real Estate:*

History and nature of various kinds of tenure of real property in the Province, and their incidents
} Professor WURTELE.

*Commercial Law:*

Law of Sales, including Commercial Sales ..... Professor ARCHIBALD.

*Commercial Law:*

Law of Agency
Law of Partnership
} Professor DAVIDSON.

*Law of Contracts* ..... Professor GEOFFRION.

*Legal Bibliography and History:*

Sources of our Law: Customary Law of France, Royal Edicts and Ordinances, with jurisprudence of Parliament of Paris; Imperial Statutes and English laws in force here; Legislation within the Province
} Professor MCGOUN.

*Civil Procedure:*

Jurisdiction of the civil courts
General Rules of Pleading
Code of Procedure
} Professor FORTIN.

*Notarial Law:*

Notarial Practice and Conveyancing ..... Professor MARLER.

*Civil Law:*

Law of Successions
Forced licitations
} Professor DOHERTY.

*Commercial Law:*

Law of Banking
Documents of Title
Railway Law
} Professor ABBOTT.

*Civil Law:*

Law of persons and domestic relations
Civil Code, from art. 18
} Professor LAFLEUR.

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## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Secretary, Prof. McGoun, 181 St James St., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. The degree of B.A. obtained from any Canadian or other British University; or a certificate of having passed the examination before the Bar for admission to study Law in the Province of Quebec; or the Intermediate Examination in the Faculty of Arts in McGill University, shall be accepted in lieu of Examination for Matriculation in this Faculty. For other candidates the Matriculation Examination this year will be in the following subjects :—

*Latin.*—Virgil, Æneid, Book I.; Cicero, Orations I. and II. against Catiline. Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires;" *Molière, "Le Bourgeois Gentilhomme;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic; Algebra to the end of simple equations; Euclid, Books I., II., III.

*History.*—White's Outline of Universal History (or any equivalent manual); *Green's Short History of the English People; Miles' School History of Canada; †Duruy, Histoire de France.

*Literature.*—*Collier's Biographical History of English Literature; †Laharpe, Cours de Littérature; †Lefranc, Cours de Littérature.

*Rhetoric.*—Whately's Rhetoric; Blair's Lectures (small edition).

*Philosophy.*—*Whately's Logic; †Logique de Port Royal; †Cousin, Histoire de la Philosophie; *Stewart's Outline of Moral Philosophy.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The Register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a

special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended Collegiate courses of legal study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct:—

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted, and the said class-book shall be submitted to the Faculty at each monthly meeting; and the Faculty shall, after examination of such class-book, decide which students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Classrooms. Any Professor observing improper conduct in the Class rooms, or elsewhere in the building, will admonish the student and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

(4) Any student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

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(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the end of April following.

The Lectures will be delivered between the hours of half-past eight and half-past nine in the morning and four and half-past six in the afternoon ; and special lectures in the evening ; the whole at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation ; which examination shall be conducted by means of printed questions, answered by the students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such students and those of the Students regularly attending Lectures. No student shall pass the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been approved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Secretary of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to compete, shall take the highest marks in a special Examination for the medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :—

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in the Faculty are as follows :—

| | |
|---|---|
| Registration Fee | $ 5 00 |
| Sessional Fee by Ordinary Students | 36 00 |
| Sessional Fee by Occasional or Partial Students, for each course | 5 00 |
| Graduation Fee, including registration as voter in election of fellows | 12 50 |

Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than $3. Students already on the books of the University shall not be required to pa any Matriculation Fee.

16. Occasional or Partial students may be admitted into said class on such terms as shall be arranged by the Faculty.

17. Every Candidate for the Degree of D.C.L. in course, under Chap. VIII. Section 4, of the Statutes of the University, must be a Bachelor of Civil Law of twelve years' standing, and shall be required to pass, within four years from his graduation as B.C.L., such examination as shall be prescribed by the regulations of the Faculty of Law, unless he shall have graduated as a B.A. of this University, either in Course or *ad eundem*. And not less than two months before proceeding to the Degree of D.C.L., the Candidate shall deliver to the Faculty of Law twenty-five printed copies of a Thesis or Treatise upon a subject selected or approved by the Faculty ; such Thesis to contain not less than twenty-five octavo pages of printed matter, and possessing such degree of literary and scientific merit as shall, in the opinion of the Faculty, justify them in recommending him for that Degree. And in addition to the foregoing qualifications, the Candidate shall pay to the Secretary of the Faculty annually during term, for the retention of his name on the Books of the Faculty, during the said period of twelve years, a fee of two dollars, to be added to the Library Fund of the Faculty.

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Except as regards the Thesis, this regulation applies only to those who have taken the Degree of B.C.L. subsequently to October, 1873. The examination under the above rule is as follows:—

(1) *International Law:*—

Phillimore: Wharton, Conflict of Law; Fœlix, Droit International Privé.

(2) *Roman Law:*—

Gaii Commentarii, IV.; Pauli Sententiæ; Pomponii Fragmentum de origine juris, D. 1, 2; Novellæ Justiniani, cxxvii., cxxviii.; Ortolan, Instituts de Justinien, Vol. i.; Mommsen's History of Rome.

(3) *Constitutional Law:*—

Hallam, Constitutional History of England; May, Constitutional Histories of England; Mill, Representative Government; The British North America Act, and cases thereunder.

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## SYLLABUS.

Monday, 15th September, 1890. Meeting of Faculty of Law, 8 p.m. Faculty Rooms.

Wednesday, 24th September. Supplemental and Matriculation Examinations, 4 to 6 p.m.

Saturday 27th September, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.

Wednesday, 1st October, 1890. Opening lecture, 8 p.m.

Thursday, 2nd October. Ordinary Lectures, First Term, begin.

Monday, 13th October, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.

Monday, 10th November, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.

Monday, 8th December, 8.pm. Meeting of Faculty of Law, Faculty Rooms.

Monday, 15th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examination for admission to study or to practice Law in the Province of Quebec.

Monday, 22nd December, 8 p. m. Meeting of Faculty of Law, Faculty Rooms.

*Christmas Examinations as follows:*—

1890.

| | | | | |
|---|---|---|---|---|
| Friday, | 12 Dec., 4 to 6 p.m. | Prof. | WURTELE, | Real Estate Law. |
| Saturday, | 13 " 3 to 5 " | " | McGOUN, | Legal Bibliography and History. |
| Monday, | 15 " 4 to 6 " | " | DAVIDSON, | Commercial Law. |
| Tuesday, | 16 " " " | " | ARCHIBALD, | Commercial Law: Sales. |
| Thursday, | 18 " " " | " | TRENHOLME, | Roman Law. |

Friday, 19 Dec., 4 to 6 p.m. Prof. LAFLEUR, Law of Persons.
Saturday, 20 " 3 to 5 " " MARLER, Notarial Law.
Monday, 6th January, 1891. Lectures, Second Term, begin.
" 12th " 1891, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.
Wed'day, 14th " 1891. Bar Examinations take place at Montreal.
Monday, 9th February, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.
" 2nd March. Theses for degree of B.C.L.
" 9th " 8 p.m. Meeting of Faculty of Law, Faculty Rooms.
" 13th April, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.

*Sessional Examinations as follows :—*

Thursday, 9th April, 1891, 4 to 6 p.m. Prof. TRENHOLME, Criminal Law.
Friday, 10th " " " FORTIN, Civil Procedure.
Saturday, 11th " 3 to 5 " " GEOFFRION, Contracts.
Thursday, 16th " 4 to 6 " " TRENHOLME, International Law.
Friday, 17th " " " " DOHERTY, Civil Law.
Saturday, 18th " 3 to 5 " " ABBOTT, Commercial Law.
Monday, 20th April, 8 p.m. Meeting of Faculty of Law, Faculty Rooms.
Saturday, 25th " Declaration of Results of Examination.
Wed'day, 29th " Convocation for Degrees in Law.
Monday, 1st June. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the July Examination for admission to study or to practice Law in the Province of Quebec.
Monday, 8th June. Meeting of Faculty of Law.
July, 1891. Bar Examinations take place at Sherbrooke.

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## FACULTY OF LAW—TIME TABLE, 1890-91.

### FIRST HALF-TERM, BEGINNING THURSDAY, 2ND OCTOBER, 1890.

| HOURS. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. Archibald. | Prof. McGoun. | Prof. Archibald. | Prof. McGoun. | Prof. Archibald. |
| 4 to 5 p.m. | The DEAN, Roman Law, 1st Year. | The DEAN, Roman Law, 1st Year. | The DEAN, Roman Law, 1st Year. | The DEAN, Roman Law, 1st Year. | The DEAN, Roman Law, 1st Year. |
| 5 to 6 p.m. | Prof. Lafleur. | Prof. Davidson. | Prof. Lafleur. | Prof. Davidson. | Prof. Lafleur. |
| 8 to 9 p.m. | | Prof. Wurtele. | | Prof. Wurtele. | |

### SECOND HALF-TERM BEGINNING THURSDAY, 6TH NOVEMBER, 1890.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | Prof. Archibald. | Prof. McGoun. | Prof. Archibald. | Prof. McGoun. |
| 4 to 5 p.m. | The DEAN, Roman Law, 2d and 3d Years. | The DEAN, Roman Law, 2d and 3d Years. | The DEAN, Roman Law, 2d and 3d Years. | The DEAN, Roman Law, 2d and 3d Years. | The DEAN, Roman Law, 2d and 3d Years. |
| 5 to 6 p.m. | Prof. Davidson. | Prof. Lafleur. | Prof. Davidson. | Prof. Lafleur. | Prof. Davidson. |
| to 9 p.m. | | Prof. Marler. | | Prof. Marler. | |

THIRD HALF-TERM, BEGINNING MONDAY, 5TH JANUARY, 1891.

| HOURS. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 8.30 to 9.30 a m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | Prof. Fortin. | The DEAN, Criminal Law. | Prof. Fortin. | The DEAN, Criminal Law. | Prof. Fortin. |
| 5 to 6 p.m. | The DEAN, Criminal Law. | Prof. Abbott. | The DEAN, Criminal Law. | Prof. Abbott. | The DEAN, Criminal Law. |
| 8 to 9 p.m. | | Prof. Geoffrion. | | Prof. Geoffrion. | |

FOURTH HALF-TERM, BEGINNING THURSDAY, 19TH FEBRUARY, 1891.

| | | | | | |
|---|---|---|---|---|---|
| 8. 30 to 9.30 a.m. | Prof. Doherty. | | Prof. Doherty. | | Prof. Doherty. |
| 4 to 5 p.m. | The DEAN, International Law. | Prof. Fortin. | The DEAN, International Law. | Prof. Fortin. | The DEAN, International Law. |
| 5 to 6 p.m. | Prof. Abbott. | The DEAN, International Law. | Prof. Abbott. | The DEAN, International Law. | Prof. Abbott. |
| 8 to 9 p.m. | | | | | |



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# ADDENDA

OF

## Faculties of Arts and Applied Science.

The appointment of Professor John Cox, M.A., to the W. C. McDonald Chair of Experimental Physics in the Faculty of Arts, and that of Prof. C. A. Carus-Wilson, B.A., to the Thomas Workman Chair of Mechanical Engineering in the Faculty of Applied Science, were not made in time to allow of the necessary changes in the previous pages of the Calendar, but these changes will be announced at the beginning of the session.

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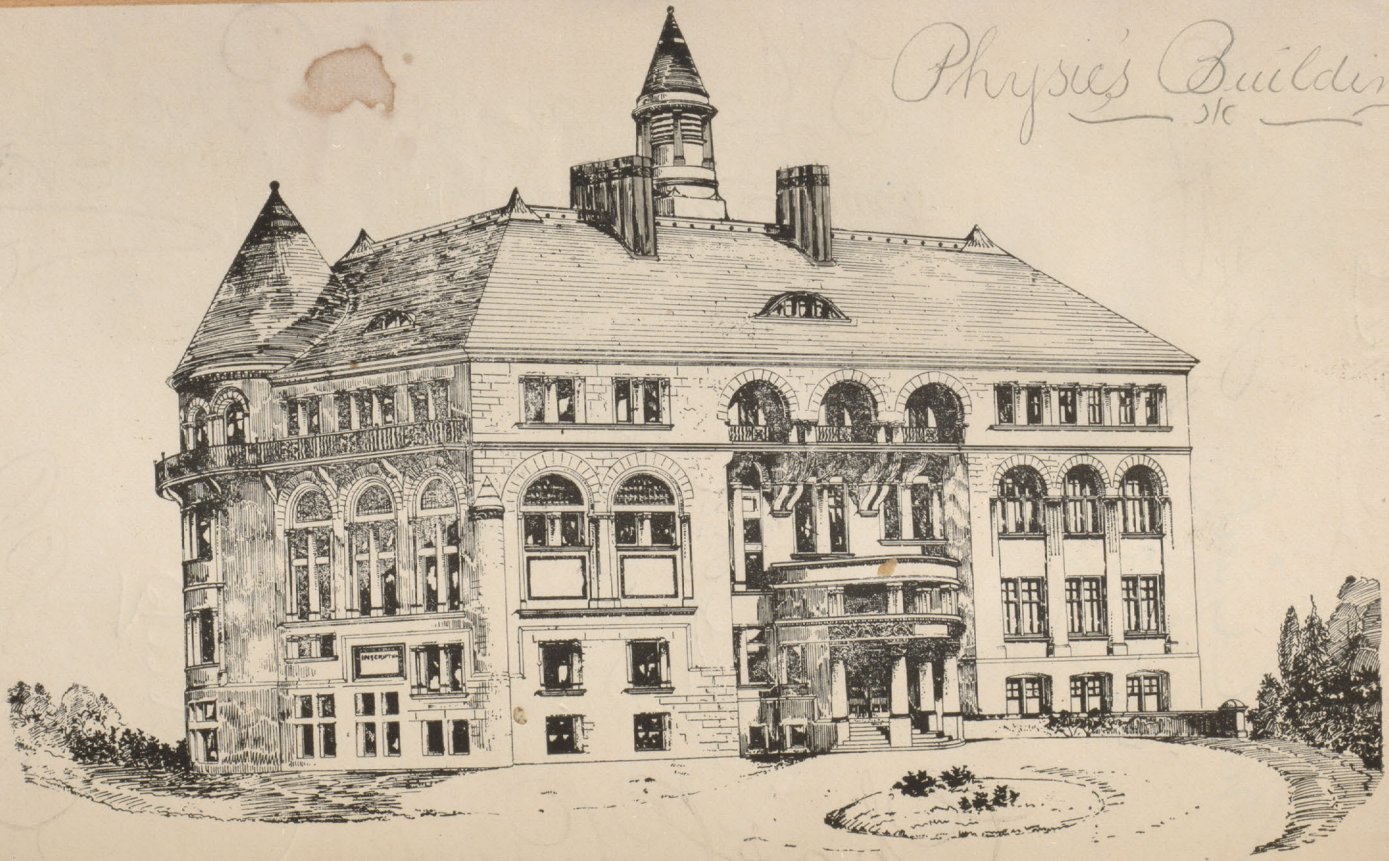
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W.C. McDONALD

ANNUAL CALENDAR

OF

# McGILL COLLEGE

AND

# UNIVERSITY,

MONTREAL




FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821, AND RE-ORGANISED BY AN
AMENDED CHARTER IN 1852.

## SESSION 1891-92.

Montreal:
PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.
1891.

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The *List of Graduates* and the *Examination Papers* of the Session 1890-91 are published separately, and may be obtained on application to the Secretary, or through booksellers.

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The Fifty-eighth Session of the University, being the Thirty-seventh under the amended Charter, will commence in the Autumn of 1890.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties, in McGill College, and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. McGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions, of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Sciency Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

The Degree of B.A. from this University admits the holder to the study of learned professions without preliminary examination, in the Provinces of Quebec and Ontario, and in Great Britain and Ireland, &c.

THE DONALDA SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions and honours similar to those for men.

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, and Practical Chemistry, Electrical Engineering leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions, of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

THE FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.—The complete course extends over three Sessions of six months each, and leads to the Degree of D.V.S.

THE FACULTY OF LAW.—The complete course in Law extends over three Sessions of six months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.



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ST. FRANCIS COLLEGE, *Richmond, P. Q.*—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from A. W. BANNISTER, M.A., Principal.]

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Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of Free Tuitions are granted by the Board of Governors to the Students of these Colleges, when matriculated in Arts.

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THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

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THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

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The Trafalgar Institute for the higher education of women, Simpson St., Montreal; Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St.; Principal, H. Aspinwall Howe, LL.D. The Girls' High School of Montreal, Metcalfe St.; Lady Principal, Mrs. H. H. Fuller.

*Schools which have prepared successful candidates for* A.A. *or for matriculation (June,* 1890.)

High School, Montreal; Girls' High School, Montreal; Misses Symmers and Smith's School, Montreal; Mrs. Watson's School, Montreal; High School, Quebec; Girls' High School, Quebec; Girls' High School, St. John, N.B.; Aylmer Model School; Coaticook Academy; Cookshire Model School; Cowansville Academy; Danville Model School; Granby Academy; Huntingdon Academy; Inverness Academy; Knowlton Academy; Lachute Academy; St. Francis College School, Richmond; Sherbrooke Boys' Academy; Sherbrooke Girls' Academy; Stanstead Wesleyan College; St. John's High School; Sutton Model School; Waterloo Academy; Brockville Collegiate Institute; Glencoe High School; Goderich High School; Eliock School, Montreal; Ottawa Collegiate Institute; Parkhlil High School; Parkdale Collegiate Institute.

# ACADEMICAL YEAR 1891-92.

## SEPTEMBER, 1891.

| | |
|---|---|
| 1 Tuesday | Normal School opens. |
| 2 Wednesday | Meeting of Normal School Committee. |
| 3 Thursday | |
| 4 Friday | Matriculation in Law. |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | Lectures in Law begin. Meeting Faculty of Law. |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | |
| **13 SUNDAY** | |
| 14 Monday | Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. Meeting of Faculty of Law. |
| 15 Tuesday | Mat. and Sup. Ex'ns in Math's Exhib. & Scholarship Exam. |
| 16 Wednesday | Mat. & Sup. Ex'ns in English, Logic, Men. and Mor. Phil. Exhib. and Sch. Exm'ns. |
| 17 Thursday | Mat. & Sup. Ex'ns in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns. |
| 18 Friday | Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | Meeting of Faculty of Arts. |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | Summer Essays in Applied Sc. |
| 25 Friday | Matric. Exam. in Medicine. Meeting of Governors. Register Medical Faculty opens. |
| 26 Saturday | |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | Meeting of Fac. of App. Sc. |
| 30 Wednesday | |

## OCTOBER, 1891.

| | |
|---|---|
| 1 Thursday | Session of Medical and Veterinary Faculties begins. |
| 2 Friday | Meeting Faculty of Arts. |
| 3 Saturday | |
| **4 SUNDAY** | |
| 5 Monday | Meeting of Faculty of Law. |
| 6 Tuesday | Founder's Birthd'y. The Wm. Molson Hall opened, 1862. |
| 7 Wednesday | Meeting of Normal School |
| 8 Thursday | Committee. |
| 9 Friday | |
| 10 Saturday | |
| **11 SUNDAY** | |
| 12 Monday | Meeting of Faculty of Law. |
| 13 Tuesday | |
| 14 Wednesday | |
| 15 Thursday | |
| 16 Friday | Meeting of Faculty of Arts. |
| 17 Saturday | Univ. Athletic Sports. |
| **18 SUNDAY** | |
| 19 Monday | |
| 20 Tuesday | |
| 21 Wednesday | |
| 22 Thursday | |
| 23 Friday | |
| 24 Saturday | Meeting of Governors. |
| **25 SUNDAY** | |
| 26 Monday | Meeting of Museum Com. |
| 27 Tuesday | Meeting of Library Com. |
| 28 Wednesday | Regular Meeting of Corporation |
| 29 Thursday | Reps. Schol. & Exh. Ac. and School Exams Appd. |
| 30 Friday | Meeting of Faculty of Arts. |
| 31 Saturday. | |

## NOVEMBER, 1891.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | |
| 3 Tuesday | Meeting of Fac. App. Science. |
| 4 Wednesday | Meeting Normal School Com. |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | Meeting of Faculty of Law |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | Meeting of Faculty of Arts. |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | Meeting of Faculty of Arts |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | |
| 24 Tuesday | |
| 25 Wednesday | |
| 26 Thursday | |
| 27 Friday | Meeting of Governors. |
| 28 Saturday | Medical Matriculation, P.Q. |
| **29 SUNDAY** | |
| 30 Monday | |

## DECEMBER, 1891.

| | |
|---|---|
| 1 Tuesday | Meeting of Faculty of App. Sc |
| 2 Wednesday | Meeting of Nor. Sch. Comm. |
| 3 Thursday | |
| 4 Friday | |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | Meeting of Fac. of Arts. Lect. in Law, Arts and Ap. Sc. end. |
| 12 Saturday | Exam. Bot. Med. Students. Examinations in Law. |
| **13 SUNDAY** | |
| 14 Monday | Christmas Examinations in |
| 15 Tuesday | Law, Arts and Applied |
| 16 Wednesday | Science begin. Meeting of |
| 17 Thursday | Faculty of Law. |
| 18 Friday | |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | Christmas Vacation begins. |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | |
| 25 Friday | Christmas-Day. |
| 26 Saturday | Meeting of Governors. |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | |
| 31 Thursday | |



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## JANUARY, 1892.

| | |
|---|---|
| 1 Friday | |
| 2 Saturday | |
| **3 SUNDAY** | |
| 4 Monday | Christmas Vacation ends. |
| 5 Tuesday | Lectures in Arts, Law, Med. & App. Science recommence. Meeting of Facs. of Arts and Law. |
| 6 Wednesday | Meeting of Fac. of App. Sci. |
| 7 Thursday | Meeting of Nor. Sc. Comm. |
| 8 Friday | Meeting of Faculty of Arts. |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | Meeting of Faculty of Arts. |
| 15 Friday | |
| 16 Saturday | |
| **17 SUNDAY** | |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | Meeting of Governors. |
| 22 Friday | |
| 23 Saturday | |
| **24 SUNDAY** | |
| 25 Monday | Meeting of Museum Com. |
| 26 Tuesday | Meeting of Library Com. and of School Examiners. |
| 27 Wednesday | Regular Meet'g of Corporation. Examiners appointed. Annual Report to Visitor. |
| 28 Thursday | Meeting of Faculty of Arts and |
| 29 Friday | University Examiners. |
| 30 Saturday | Theses for M.A.&LL.D. to be |
| **31 SUNDAY** | sent in to the Dean of Fac. of Arts. |

## FEBRUARY, 1892.

| | |
|---|---|
| 1 Monday | |
| 2 Tuesday | Meeting of Fac. App. Science. |
| 3 Wednesday | Meeting of Nor. Sch. Comm. |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | Meeting of Faculty of Law. |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | Meeting of Faculty of Arts. Supplemental Exam's in Arts and Applied Science. |
| 13 Saturday | |
| **14 SUNDAY** | |
| 15 Monday | |
| 16 Tuesday | |
| 17 Wednesday | |
| 18 Thursday | |
| 19 Friday | Meeting of Faculty of Arts. |
| 20 Saturday | |
| **21 SUNDAY** | |
| 22 Monday | |
| 23 Tuesday | Theses for Degree of B.C.L. to |
| 24 Wednesday | be sent in to Dean of Faculty. |
| 25 Thursday | |
| 26 Friday | Meeting of Governors, |
| 27 Saturday | |
| **28 SUNDAY** | |
| 29 Monday | |

## MARCH, 1892.

| | |
|---|---|
| 1 Tuesday | Meeting of Fac. of Ap. Science. Theses for B.C.L. sent in. |
| 2 Wednesday | Meeting of Nor. Sc. Com. |
| 3 Thursday | No Lectures. |
| 4 Friday | Meeting of Fac. of Arts. |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | Meeting of Faculty of Law. |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | Examinations in Law, and Botany Med. Fac. |
| **13 SUNDAY** | |
| 14 Monday | |
| 15 Tuesday | Meeting Fac. App. Sci. |
| 16 Wednesday | Lectures in Medicine end. |
| 17 Thursday | Exam's in Med. begin. |
| 18 Friday | Meeting of Fac. of Arts. Reports of Attendance on Lects. |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | |
| 25 Friday | Meeting of Governors. Medica Matriculation, P.Q. |
| 26 Saturday | |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | Meeting of Fac. of Ap. Science |
| 30 Wednesday | Lects. in Arts and Ap. Sc. end. |
| 31 Thursday | Conv for Degrees in Veterinary Science. Ex. in Arts begin. |

## APRIL, 1892.

| | |
|---|---|
| 1 Friday | Convocation for Degrees in |
| 2 Saturday | Medicine. |
| **3 SUNDAY** | |
| 4 Monday | |
| 5 Tuesday | |
| 6 Wednesday | Meeting of Nor. Sc. Committee |
| 7 Thursday | |
| 8 Friday | Meeting of Fac. of Arts. |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | Meeting of Faculty of Law. |
| 12 Tuesday | Summer Session Med. Fac. |
| 13 Wednesday | begins. |
| 14 Thursday | Lectures in Law end. |
| 15 Friday | Good Friday. Easter Vac. begins |
| 16 Saturday | |
| **17 SUNDAY** | Easter. |
| 18 Monday | |
| 19 Tuesday | Easter Vacation ends. |
| 20 Wednesday | Exams. in Law begin. |
| 21 Thursday | Meeting of Examiners, and of Fac. Arts and Law. |
| 22 Friday | Meeting of Governors. |
| 23 Saturday | |
| **24 SUNDAY** | |
| 25 Monday | Meeting of Museum Committee and Faculty of Law. |
| 26 Tuesday | Meeting of Library Committee Declaration of result of Exam's. |
| 27 Wednesday | Regular meeting of Corporation. |
| 28 Thursday | |
| 29 Friday | Convocation for Degrees in Law and Applied Science. |
| 30 Saturday, | Convocation for Degrees in Arts. |

## MAY, 1892.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin. |
| 3 Tuesday | Meeting Nor. Sch. Committee. |
| 4 Wednesday | |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | Queen's Birthday. |
| 24 Tuesday | |
| 25 Wednesday | |
| 26 Thursday | |
| 27 Friday | Meeting of Governors. |
| 28 Saturday | |
| **29 SUNDAY** | |
| 30 Monday | |
| 31 Tuesday | Normal Sch. closes for Summer Vacation. |

## JUNE, 1892.

| | |
|---|---|
| 1 Wednesdny | Examinations for Matric. and Associate in Arts begin. Normal School Committee. |
| 2 Thursday | |
| 3 Friday | |
| 4 Saturday | |
| **5 SUNDAY** | Whit-Sunday. |
| 6 Monday | Meeting of Faculty of Law |
| 7 Tuesday | |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | |
| 18 Saturday | Declaration of results of School Examinations. |
| **19 SUNDAY** | Trinity Sunday |
| 20 Monday | Meeting of Museum Committee. |
| 21 Tuesday | Meeting of Library Committee. |
| 22 Wednesday | Regular Meeting of Corporat'n. Report of Normal School. |
| 23 Thursday | |
| 24 Friday | |
| 25 Saturday | Meeting of Governors. |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | Summr. Sessn. Med. Fac. ends. |
| 29 Wednesday | |
| 30 Thursday | |

## JULY, 1892.

| | |
|---|---|
| 1 Friday | |
| 2 Saturday | |
| **3 SUNDAY** | |
| 4 Monday | |
| 5 Tuesday | |
| 6 Wednesday | |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | |
| 15 Friday | |
| 16 Saturday | |
| **17 SUNDAY** | |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | |
| 22 Friday | |
| 23 Saturday | |
| **24 SUNDAY** | |
| 25 Monday | |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | |
| 30 Saturday | |
| **31 SUNDAY** | |

## AUGUST, 1892.

| | |
|---|---|
| 1 Monday | |
| 2 Tuesday | |
| 3 Wednesday | |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | |
| 13 Saturday | |
| **14 SUNDAY** | |
| 15 Monday | Peter Redpath Museum opened 1882. |
| 16 Tuesday | |
| 17 Wednesday | |
| 18 Thursday | |
| 19 Friday | |
| 20 Saturday | |
| **21 SUNDAY** | |
| 22 Monday | |
| 23 Tuesday | |
| 24 Wednesday | |
| 25 Thursday | |
| 26 Friday | |
| 27 Saturday | |
| **28 SUNDAY** | |
| 29 Monday | |
| 30 Tuesday | |
| 31 Wednesday | |

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Arts '93

## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS, SEPTEMBER, 1891.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | HOUR |
|---|---|---|---|---|---|
| Monday. | 14 | Greek. | Greek. | Greek. | 9 to 12 |
| " | 14 | Latin. | Latin. | Latin Prose Comp. | 2 to 5 |
| " | 14 | | | Mathematics. | 9 to 12 |
| Tuesday. | 15 | Mathematics. | Mathematics. | Latin. | 9 to 12 |
| " | 15 | | | Mathematics. | 9 to 12 |
| " | 15 | | | Botany. | 9 to 12 |
| " | 15 | Mathematics. | Mathematics. | Ancient History. | 2 to 5 |
| " | 15 | | | Botany. | 2 to 5 |
| Wednesday. | 16 | English. | English. | English. | 9 to 12 |
| " | 16 | | | Logic. | 9 to 12 |
| " | 16 | English. | | English. | 2 to 5 |
| " | 16 | | Chemistry. | Chemistry. | 2 to 5 |
| Thursday. | 17 | | | Mathematics. | 9 to 12 |
| " | 17 | | | Botany. | 9 to 12 |
| " | 17 | | French. | French. | 9 to 12 |
| " | 17 | Grammar and Comp. (Classics.) | General Paper. (Classics.) | English Composition | 2 to 5 |
| Friday. | 18 | | Mathematics. | Mathematics. | 9 to 12 |
| | | | English. | | 2 to 5 |

*CHRISTMAS EXAMINATIONS, DECEMBER, 1891.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | FOURTH YEAR. |
|---|---|---|---|---|---|
| Monday. | 14 | Latin. | Latin. | ✓ Mechanics. | Astronomy. |
| " | 14 | | M'matics, P.M. | Ex. Physics, P.M. | Ex. Physics, P.M |
| Tuesday. | 15 | Greek. | Botany. | Greek. | Greek. |
| " | 15 | | | ✓ Zoology, P.M. | Latin, P.M. |
| Wednesday. | 16 | Mathematics. | Psychology. | ✓ Latin. | Moral Philosophy |
| " | 16 | French, P.M. | French, P.M. | Ment. Phil., P.M. | Geology, P.M. |
| Thursday. | 17 | Chemistry. | Greek. | | |
| " | 17 | German, P.M. | German, P.M. | | |
| " | 17 | Hebrew, P.M. | Hebrew, P.M. | | |
| Friday. | 18 | English. | | | |

Chas. C. Gurd

## FACULTY OF ARTS.

March '92

SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1892.

| Day. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| March. | A.M. P.M. | A.M. P.M. | A.M. P.M. | A.M. P.M. |
| 31 Thurs. | Hebrew and German. | Hebrew and German. | Hebrew and German. | Hebrew and German. |
| April 1 Fri. | Greek. | Greek. | [redacted] | B.A. Honours. Ethics. Ethics. |
| 4 Mon. | Latin. Anc. History | Latin. Composition. | [redacted] | Latin. Latin. |
| | | Microbe | | |
| 5 Tues. | English. | English. English. | Ex. Phy- [redacted] | Ex. Phy- History. |
| 6 Wed. | | | sics. | sics. |
| 7 Thurs. | Geometry and Arithmetic. | Mathematics. | Greek. | Mechanics and |
| 8 Fri. | Trigonometry and Algebra. | Mathematics. | Astronomy and Optics. | B.A. Honours. Astr'y. and Optics. |
| 11 Mon. | French. | French. | Metaphysics. | B.A. Honours. Geology. Geology. |
| 12 Tues. | Chemistry. | | [redacted] | Greek. History. |
| 13 Wed. | | Logic. | | |
| 14 Thurs. | | Botany. | French. | French; B.A. Hon- |
| 15 Fri. | Good Friday. | | | ours. |
| 16 Sat. | | | | |
| 17 Sun. | Easter day. | | | |
| 18 Mon. | | | | |
| 19 Tues. | Easter vacation ends. | | | |
| 20 Wed. | Honour Examinations | Honour Examinations | [redacted] | B.A. Honours. |
| 21 Thurs. | Meeting of | Examiners and Faculty. | | |
| 22 Fri. | Honour Examinations | Honour Examinations | Honour Exam'tions | B.A. Honours. |
| 23 Sat. | Meeting of | Examiners and Faculty. | | |
| 25 Mon. | Meeting of | Examiners and Faculty. | | |
| 26 Tues. | Meeting of | Examiners and Faculty. | Declaration | of results. |
| 27 Wed. | Meeting of | Corporation. | | |
| 28 Thurs. | | | | |
| 29 Fri. | | | | |
| 30 Sat. | Convocation for Degrees in Arts. | | | |

Rats

The Examinations begin at 9 A.M. and 2 P.M. when not specified otherwise.

Chas C. Gurd

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## FACULTY OF APPLIED SCIENCE.

*EXAMINATIONS*—1891-92.

CHRISTMAS, 1891.

The days of the several Examinations will be announced by the Faculty during the Session.

SESSIONAL, 1892.

| Days. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| W. Mch. 30 | Freehand Drawing. | Descrp've Geometry | Descrp've Geometry | Mineralogy (Adv.). |
| T. " 31 | German. | German. | German. | |
| F. April 1 | | Chemistry. Surveying. | Chemistry. Surveying. | Geodesy. |
| S " 2 | | Essay. | Essay. | Essay. |
| Sun. " 3 | ..... | ..... | ..... | ..... |
| M. " 4 | Practical Chemistry. | Mechanism. | Theory of Structures | Theory of Structures. |
| T. " 5 | English. | Exp. Physics. | Exp. Physics. | |
| W. " 6 | Mathematics. | Mathematics. | Mathematics. | Thermodynamics. |
| T. " 7 | | Practical Chemistry. | Practical Chemistry. | Assaying. |
| F. " 8 | | | Theory of Structures. | Theory of Structures |
| S. " 9 | Mathematics. | Mathematics. | Mathematics. | |
| Sun. " 10 | ..... | ..... | ..... | ..... |
| M. " 11 | French. | French. | { Kinematics of Ma<br>{ Geology. [chinery. | { Kinematics of Ma-<br>chinery.<br>{ Th. of Structures. |
| T. " 12 | Chemistry. | { Chemistry (a.m.).<br>{ Zoology (p.m.). | Chemistry.<br>Theory of Structures (Honours). | |
| W. " 13 | | | Mining. | Metallurgy. |
| T. " 14 | | Botany. | Dynamics of Ma-chinery. | { Dynamics of Ma-<br>chinery.<br>{ Th. of Structures. |
| F. " 15 | | | | |
| S. " 16 | Mathematics. | Mathematics. | Mathematics. | Hydraulics. |
| Sun. " 17 | ..... | ..... | ..... | ..... |
| M. " 18 | | | | |
| T. " 19 | | | Mineralogy (adv.). | |
| W. " 20 | | | | |
| T. " 21 | | | Mineralogy (adv.). | |
| F. " 22 | | | | |
| S. " 23 | | | | |

Faculty of Arts

# Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors :—DAWSON.
JOHNSON.
CORNISH.
DAREY.
MURRAY.
HARRINGTON.
MOYSE.

Professors :—PENHALLOW.
COUSSIRAT.
COX.

Assistant Prof. :—EATON.

Lecturers :—CHANDLER.
LAFLEUR.
TOEWS.
ADAMS.

Dean of the Faculty :—ALEXANDER JOHNSON, LL.D.
Honorary Librarian :—REV. GEO. CORNISH, LL.D.

[CONTENTS.—*Matriculation*, &c., § I.; *Exhibitions*, &c., § II.; *Course of Study*, § III.; *Examinations, Degrees*, &c., § IV.; *Exemptions*, &c., § V. *Medals*, &c., § VI.; *Licensed Boarding Houses*, § VII.; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees*, &c., § XI.; *Courses of Lectures*, § XII.]

The next session of this Faculty will begin on September 14th, 1891, and will extend to April 30th, 1892.

## § I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Matriculated or Occasional. Matriculated Students are those who have their names entered in the Matriculation Book; they are subdivided into Undergraduates and Partial Students; Non-matriculated are denominated Occasional Students. The conditions of admission for each, and for Students of other Universities are given below.

### 1. UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B A. Candidates for admission to the First Year as Undergraduates are required to pass the First Year Entrance Examination. The successful Candidates are arranged as First Class, Second Class, and

Passed. To the most deserving in the First Class the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year, as follows :—

(1) That held in the first week of June, at the same time as the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College; or, if at a distance, by sending in to the Secretary of the University the names of Deputy Examiners for approval, with a list of candidates, on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 14th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures.

### First Year Entrance Examinations.

(*a*) *For Passing only.*

Examinations beginning on June 1st in McGill College and local centres; on September 14th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Caesar, Bell. Gall., Book I.; and Virgil, Aeneid, Book I., lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic, including a knowledge of the Metric system; Algebra to Simple Equations (inclusive), but to Quadratic Equations (inclusive), in June 1892 and afterwards; Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis.* A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations, an equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics. At the June examination, candidates from Ontario may present an equivalent amount from the books prescribed for the Junior Matriculation Examination of the University of Toronto.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

The Matriculation or Junior leaving Examination accepted by the Universities of Ontario is accepted by the Faculty in so far as the subjects of their programme satisfy the examiners of the Faculty.

For Candidates from Ontario, Second Class non-professional certificates will be accepted *pro tanto* in the Examination.

Candidates who fail in one or more subjects at the June examination, and present themselves again in September, will be exempted from examination in those subjects only in which the examiners may have reported them as specially qualified.

(*b*) *Higher Examination—For First Class, Second Class, and Passing.*

The examination will be held on September 14th and following days in McGill College only. (For Exhibitions, see § II.)

*Greek.*—Homer, Iliad, Bk. IV.; Xenophon, Anabasis, Bk. I.; Demosthenes, Philippics, I. and II.

*Latin.*—Cicero, in Catilinam, Orat. I.; Virgil, Aeneid, Bk. I.; Caesar, Bell Gall., Bks. I. and II.

A paper on Greek and Latin Grammar.

*Text-books.*—Hadley's or Goodwin's Greek Grammar; Arnold's Greek Prose Composition, Exercises 1 to 25; Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV.; or Arnold's Latin Prose Composition, by Bradley.

*Mathematics.*—Euclid, Bks. I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

*French* (solely as a test of qualification to join the French Class).—Grammar up to the beginning of Syntax; an easy translation from French into English. Candidates unable to take French will be required to study German after entrance.

### Second Year Entrance Examination.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see § II.) held in September; or the Candidates may take the First Year Sessional Examinations held in April. There is besides,

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*For Passing only.*

An Examination beginning on Sept. 14th, in McGill College only.

*In Classics.—Greek.*—Homer, Iliad, Book VI.; Xenophon, Anabasis, Book I. Grammar and Prose Composition.

*Latin.*—Virgil, Aeneid, Book VI.; Cicero, Orations against Catiline; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics].

*In Mathematics:—*

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (Omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations. (Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount &c., Vulgar and Decimal Fractions, Square Root; Metric System.

*In English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry.*—The Chemistry of the non-metallic Elements and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but they are required to begin German, and to continue the study of it for two years.

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2. PARTIAL AND OCCASIONAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—Candidates for Matriculation as Partial Students i.e, taking three or more courses of Lectures, will be examined in the subjects necessary thereto, as may from time to time be determined by the Faculty.

The subjects in which an examination is necessary are: Latin, Greek, Mathematics, English, French. Candidates are required to appear at the ordinary entrance examinations announced above;

but on application to the Faculty, may, for sufficient cause, have a later day appointed.

OCCASIONAL STUDENTS.—Persons desirous of taking one or two courses of Lectures as Occasional Students may apply to the Dean for entry in his Register, and, after satisfying the professor or the professors of the subjects of the lectures as to their fitness, may procure from the Secretary tickets for the lectures.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the production of Certificates, to a like standing in this University, after examination by the Faculty.

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## 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculties of Medicine or Applied Science in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavour to establish befitting relations.

Every matriculated Student is required to sign in the Matriculation Book the following:—

DECLARATION.

"I hereby declare that I will faithfully observe the statutes, rules and ordi-"nances of this University of McGill College to the best of my ability."

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## 4. DIRECTIONS TO CANDIDATES FOR ADMISSION.

Candidates are required:—

(*a*) To present themselves to the Dean, and fill up a form of application for admission. (§ I.)

(*b*) To pass the required examinations (§ I.). (Unless already passed).

(*c*) To procure tickets from the Registrar (§ XI.); and, if not Occasional Students, to sign the Matriculation Book.

(*d*) To present their tickets to the Dean. (§ XI.)

(*e*) To provide themselves with the Academic dress. (§ VIII.)

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## § II. SCHOLARSHIPS AND EXHIBITIONS.

### General Regulations.

1. A Scholarship is tenable for *two* years. An Exhibition for *one* year.

2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation ; and also to Candidates who have obtained what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.

3. Scholarships are divided into two classes :—(1) *Science* Scholarships ; (2) *Classical and Modern Language* Scholarships. The subjects of examination for each are as follows :—

*Science Scholarships.*—Differential and Integral Calculus ; Analytic Geometry ; Plane and Spherical Trigonometry ; Higher Algebra and Theory of Equations ; Botany ; Chemistry ; Logic. (For subdivision, see below.)

*Classical and Modern Language Scholarships.*—Greek ; Latin ; English Composition ; English Language, Literature, and History ; French or German.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to Candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation ; and also to Candidates for entrance into the Second Year.

The subjects of examination are as follows :—

*First Year Exhibitions.*—Classics, Mathematics, English.

*Second Year Exhibitions.*—Classics, Mathematics, English Language and Literature, Chemistry and French or German.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

6. No Student can hold more than one Exhibition or Scholarship at the same time, but four of the First Year Exhibitioners will be granted exemption from the Sessional fees throughout their College Course, under Presentation Scholarships from the Governor General. (See below.)

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz.:—In October, December, February, and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every session.

There are at present fifteen Scholarships and Exhibitions:—

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank, Montreal:—value, $100 yearly, open to both men and women.

TEN MCDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal:—value, $125 each, yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects:—value, $120 yearly.

THE GEORGE HAGUE EXHIBITION, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics:—value, $125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills:—value, $100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature—value, $100 to $120 yearly.

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## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1891.

*To Students entering the First Year, four Exhibitions of* $125, *and two of* $100.

The First Year Exhibitions will be awarded to the best answerers in the First Year Higher Entrance Examination (see § I.), provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful Candidates, answering in the following subjects will be taken into account also:—

1. A re-translation into Latin of an English version of some passage from one of the easier Latin Prose writers. (For specimens see Smith's Principia Latina, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English:—An examination upon one of Shakspere's plays. For 1891 *Coriolanus*.

4. French:—Syntax and translation from English into French, in addition to the Entrance course.

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*To Students entering the Second Year, three Exhibitions of* $125, *and two of* $100.

*Subjects of Examination :—*

*Greek.*—Homer, Odyssey, Bk. VII.; Herodotus, Bk. III., chaps. 1 to 67; Demosthenes, Olynthiacs I. and II.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Book I.; Livy, Bk. XXII.

Greek and Latin Prose Composition.

A paper on Grammar and History.

TEXT-BOOKS.—Cox's General History of Greece Mommsen's History of Rome (abridged). Goodwin's Greek Grammar. Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics.*—Euclid (six books); Algebra (Hall & Knight's Advanced); McDowell's Exercises in Modern Geometry; Theory of Equations (in part); Trigonometry (first four chapters Galbraith & Haughton).

*English Literature.*—Mason's Grammar. Shakspere, *As You Like it.* Trench, *Study of Words.*

*Chemistry.*—Roscoe's Lessons in Elementary Chemistry as far as p. 264.

*French.*—Darey, Principes de Grammaire Française; Lafontaine, les Fables, livres I. and II.; Molière, L'Avare.

*Or, instead of French :—*

*German.*—German Grammar.—Adler's Reader parts I and II. Schiller Der Gang nach dem Eisenhammer; Der Taucher.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfil this condition.

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*To Students entering the Third Year three Scholarships of* $125, *and one of* $120, *tenable for two years.*

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows :—

1. *Mathematics.*—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 [omitting Chap. 8], with part of Chap. 14). Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equation (selected course).

   *Logic,* as in Jevons' Elementary Lessons on Logic.

2. *Natural Science.*—*Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the orders of Phænogams, Pteridophytes and Bryophytes. *Chemistry*, as in Roscoe's Lessons in Elementary Chemistry.

*Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows:—

*Classics.*—*Greek.*—Euripides, Medea; Demosthenes, the Olynthiacs; Xenophon, Hellenics, Book I.; Herodotus, Book VIII.; Thucydides, Book VI. *Latin.*—Horace, Satires, Book I., and Epistles, Book I.; Virgil, Georgics, Book I.; Terence, Adelphi; Tacitus, Annals, Book I.; Pliny, Select Letters (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition.

*History.*—*Text-Books*—Rawlinson's Manual of Ancient History; Smith's Student's Greece; Liddell's Rome.

*English Language and Literature.*—Spalding's English Literature (Chap. VI. Part III., to end of book); Shakspere, Tempest; Milton's Paradise Lost, Books I. and II.; Trench, Study of Words.

*English Composition.*—High marks will be given for this subject.

*French.*—Racine, Britannicus; Molière, les Femmes Savantes. French Grammar. Bonnefon, les Ecrivains célèbres de la France. Translation from English into French.

*German.*—Schiller, Der Neffe als Onkel. Egmont Leben und Tod. (Buchheim) Die Kraniche des Ibycus. German Grammar. Trans. fr. Engl. into German.

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*Classical Subjects for Exhibitions, September*, 1892.

FIRST YEAR.—*Greek.*—Homer, Iliad, Bk. IV.; Xenophon, Anabasis, Book I.; Demosthenes, Philippics I. and II. (or Homer, Odyssey, Bk. VII.).

*Latin.*—Virgil, Aen., Bk. I.; Cicero, In Catilinam, Orat. I. and II. Caesar, Bell. Gall., Bks. I. and II.

SECOND YEAR.—*Greek.*—Homer, Odyssey, Bk. VII.; Demosthenes, Olynthiacs, I. and II.; Plato, Laches and Euthyphro.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Livy, Bk. XXII.

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## EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLARSHIPS, &c.

A number of these are in the gift of Benefactors, and entitle the Students holding them to exemption from the Tuition Fees ($30) in the Faculty of Arts.

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Sixteen have been placed by the Governors at the disposal of His Excellency the Governor General. Candidates must pass the usual Matriculation Examination.

[By command of His Excellency, two of these Exemptions will be offered for competition in the First Year Exhibition Examinations of the ensuing session.]

Four exemptions from fees may be granted by the Board of Governors, from time to time, to the most successful Students who may present themselves as Candidates. By order of the Board one of these is given annually to the Dux of the High School of Montreal, and one to the Dux of any other Academy or High School, sending up in one year for entrance three or more Candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than $80, the Governors will add the amount of the fees of tuition hereto.

Exemptions from fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek.

By a resolution of the Board of Governors, exemptions are granted to students of any affiliated Theological College, recommended by its Principal, and entering the Faculty of Arts as Matriculated Students.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

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## § III. COURSE OF STUDY.

An Undergraduate, in order to attain the Degree of B.A., is required, after passing the First Year Matriculation Examination (see § I), to attend the appointed courses of lectures regularly for four years, and to pass two Examinations in each year, viz., at Christmas and in April. If he fail at any one of these examinations he is not allowed to proceed with his course until he has passed it subsequently. (See § IV.) Undergraduates are arranged, according to their standing, as of the First, Second, Third or Fourth Year.

The special arrangements made for Honour Students and for those attending lectures in other Faculties also are stated in § V.

## ORDINARY COURSE FOR THE DEGREE OF B.A.

### FIRST YEAR.

GREEK.—HOMER.—Iliad, Book XXII. Xenophon.—Cyropaedeia, Book I. Studies in History and Literature.

LATIN.—CICERO.—Select Orations. VIRGIL.—Aeneid, Bk. X.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

MATHEMATICS.—Arithmetic. Euclid, six books. Algebra to end of Quadratic equations. Plane Trigonometry, in part.

ENGLISH LANGUAGE AND LITERATURE.

First term.—MILTON'S Comus and BACON'S Essays (selected). Two lectures a week. English Composition, one lecture a week.

Second term.—English Literature, previous to Elizabethan Period.

CHEMISTRY.—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work if desired; the whole preparatory to the course in Natural Science.

FRENCH.—DAREY, Principes de Grammaire française.—LAFONTAINE, Choix de Fables.—MOLIÈRE, L'Avare—Dictation; Colloquial exercises.

*Or, instead of French, either of the following:—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

HEBREW.—(For Theological Students only). *Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis. —*Text-Books:*—HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

### SECOND YEAR.

GREEK.—PLATO.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I.,II. History of Greece.

LATIN.—HORACE.—Epistles, Bk. I., 1, 2 and 6; Livy, Bk. XXI. Translation at sight and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

MATHEMATICAL PHYSICS.—Mechanics, one lecture a week.

ENGLISH LITERATURE.—A period of English Literature and one play of Shakspere. During the Session of 1891-92—The leading poets of the nineteenth century. SHAKSPERE, A Midsummer Night's Dream. [Clarendon Press Edition.]

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PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (*Text Book* :—MURRAY'S Handbook of Psychology, Book I). Second Term.—Logic (*Text-Book* :—JEVONS' Elementary Lessons in Logic).

BOTANY.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books* :—Gray's Structural Botany.

FRENCH.—Ponsard, l'Honneur et l'Argent. RACINE, Esther—CONTANSEAU, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or, instead of French, either of the following* :—

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. ADLER'S Progressive German Reader (selections from Sections 3—5). Immermann, Der Oberhof. Dictation. Colloquial exercises. Translations, oral and written. Parsing.

HEBREW.—(For Theological Students only.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Methods."—Translation from Genesis.—Exodus, Deuteronomy.—Exercises :—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examination see § IV.

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## THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.
ÆSCHYLUS.—Septem contra Thebas.

*Or, instead of Greek* :—

LATIN.—JUVENAL.—Satires VIII. and III.
Pliny—Select Letters.
Latin Prose Composition.

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First 3 chapters, omitting sec. 5, chapter I., and sec. 21, chapter II.; *Dynamics*, subjects of the First 5 chapters. GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the Student, provided two be taken from one division and one from the other.

*I. Literature, &c.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—*A.* CHAUCER'S Prologue to Canterbury Tales, ed. Morris. *B.* BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II., Part I.

FRENCH.—(If taken in the first two years).—CORNEILLE, Le Cid.—Cogery —Third French course. Translation into French :—Johnson, Rasselas. French Composition. Dictation.—CONTANSEAU, Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours.

GERMAN.—(If taken in the first two years.)—VANDERSMISSEN'S AND FRASER'S German Grammar. SCHILLER, Siege of Antwerp. LESSING, Minna von Barnhelm. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German composition. Dictation.

HEBREW.—(For Theological Students).—*Advanced Course.*—Gesenius' Grammar —Harper's Elements of Syntax. Exercises continued.—Translation, Reading of the Masoretic notes.—Isaiah ; Psalms ; Job ; Ecclesiastes ; Jeremiah.

*II. Science.*

† OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy), English edition ; first three chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

† EXPERIMENTAL PHYSICS.—Electricity, Magnetism, and Sound ; or, Light and Heat ; as in Ganot's Treatise.

ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology, Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-Book.*—Dawson's Hand-book of Zoology.

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—Contra Ctesiphontem.

*Or, instead of Greek :—*

LATIN.—TACITUS.—Annals, Book I.
Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics.* Mechanics and Hydrostatics (as in Third Year), or Astronomy (GALBRAITH AND HAUGHTON), and Optics (GALBRAITH AND HAUGHTON).

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MORAL PHILOSOPHY.—First Term.—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Textbook:* Murray's Introduction to Ethics. The Students are required to write occasional essays on Philosophical subjects.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively), the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. *Text-Books:* MYERS, Mediæval and Modern History, pp. 1–398. BRYCE, Holy Roman Empire (omit chaps. 6, 8, 9, 13, and supplementary chapter).

FRENCH.—(If taken in Third Year.)—BONNEFON, Les Ecrivains modernes de la France.—Translation into French.—Morley's Ideal Commonwealths. Dictation.—CORNEILLE, Le Cid.

GERMAN.—(If taken in Third Year.)—German Grammar and Composition. Dictation. Goethe, Aus meinen Leben; SCHILLER, Wallenstein. Outlines of German Literature. GOSTWICK & HARRISON (Chapters 15–24).

HEBREW.—(For Theological Students.)—Advanced Course continued.

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat; or Electricity, Magnetism and Sound, as in GANOT's Treatise.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Petrography.* Minerals and rocks, especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.*—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-Book.*—Dawson's Handbook of Canadian Geology.

For the B.A. Examinations see § IV.

† Students claiming exemptions (see § V.) cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

NOTES ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional Course is intended to be more than equivalent, in the amount of work involved, for any of the other subjects in the division.

(For details of additional courses provided see under Section XII.)

Undergraduates are required to study either French or German for two years viz., in the First and Second Years), taking the same language in each year. (Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial or Occasional Students, and have in that capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures; but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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## HONOUR COURSES.

1. At the examination for the degree of B.A., Honours are given in the following subjects, for which special Honour Courses are provided:—[For details see under § XII.]

1. CLASSICAL LANGUAGES AND LITERATURE.
2. MATHEMATICS AND PHYSICS.
3. MENTAL AND MORAL PHILOSOPHY.
4. ENGLISH LANGUAGE, LITERATURE AND HISTORY.
5. GEOLOGY AND OTHER NATURAL SCIENCES.
6. MODERN LANGUAGES WITH HISTORY.
7. SEMITIC LANGUAGES.

Honours are given in the above subjects in the Third Year also, and in Mathematics in the First and Second Years.

Candidates for Honours are allowed exemptions under conditions stated in § V.

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## § IV. EXAMINATIONS.

### COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two Examinations in each year: one at Christmas and the other at end of the Session. In each of those the Students who pass are arranged according to their answering as 1st Class, 2nd Class, and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examination.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject, before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examinations of the first two years, or in one subject at the third year Sessional Examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. Application for a Supplemental Examination must in al cases be made to the Faculty. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

# UNIVERSITY EXAMINATIONS.

*For Students of McGill College and of Colleges affiliated in Arts.*

## I. FOR THE DEGREE OF B.A.

There are three University Examinations :—The *Matriculation* at entrance ; the *Intermediate*, at the end of the Second Year ; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1892 are as follows :—

*Classics.*—Greek—Plato, Apology ; Xenophon, Memorabilia, Book I., Chaps. I. to II. Latin—Horace, Epistles, Bk. I, 1, 2 and 6.—Livy, Bk. XXI.

Latin Prose Composition, and translation at sight of Latin into English.

*Mathematics.*—Arithmetic.

Euclid, Books I., II., III., IV., VI., and defs. of Book V.

Algebra, to Quadratic Equations, inclusive.

Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following :—

1. *Botany and Vegetable Physiology.*—Structural and Systematic Botany, as in Gray's Text-Book, omitting the Descriptions of the Orders.
2. *French.*—Ponsard :—l'Honneur et l'Argent. Racine :—Esther. Contanseau :—Précis de la Littérature Française, from the beginning to the end of the XVIIIth century. Translation into French :—Rasselas. Grammatical questions.
3. *German.*—Vandersmissen's German Grammar ; Adler's & Fraser's Progressive Reader (selections from secs. 3 to 5) ; Immermann, Der Oberhof. Dictation. Colloquial exercises ; Translations, oral and written.
4. *Hebrew.*—Genesis—chaps. III., IV., V., VI. Exodus—chap. III. Numbers—chap. XXIII. Exercises : Hebrew into English, and English into Hebrew. Syntax. Reading of the Masoretic notes.



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3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz., Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics) or Astronomy and Optics; Moral Philosophy; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1892 are as follows:—

1. *Greek.*—Æschines, Contra Ctesiphontem; Æschylus, Prometheus Vinctus. *Greek History.*—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows):—
2. *Latin.*—Tacitus, Annals, Book I.; Juvenal, Satt. VIII. and XIII. *Roman History.*—The twelve Cæsars.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books; or Optics and Astronomy, " " "

*Mental and Moral Philosophy.*

Murray's Introduction to Ethics.

*Lectures, with any two of the books prescribed for Part I. of the Honour work of the Fourth Year.

*Natural Science.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Handbook of Canadian Geology.

*Practical Geology and Palæontology; or Practical Chemistry, as in § XII.

*Experimental Physics.*

Light and Heat (see Courses of Lectures, § XII.).

*History.*

Myers:—Mediæval and Modern History; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and supplementary Chapter).

*Additional Course as in § XII.

*French.*

The Course of French for the Fourth Year.

*The subjects of the Additional Course as in § XII.

*German.*

The Course of German for Fourth Year.

*Additional Course as in § XII.

*Hebrew* (Theological Students).

Isaiah, chaps. XLV to XLVIII inclusive. Jeremiah. Lamentations, chaps. I, II, III. Psalms XVI to XX inclusive.

Gesenius' Grammar, Harper's Elements of Syntax, Reading of the Masoretic notes.

Additional Courses (see § XII.).

For details of each subject, see Courses of Lectures, § XII.

At the B.A. Ordinary Examination of the Candidates who obtain the required aggregate of marks, only the who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration:—

"Ego———polliceor sancteque recipio me, pro meis viribus, studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam."

### II. FOR THE DEGREE OF M.A.

1. A Candidate must be a Bachelor of Arts of at least three years standing.

*Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules:—

(*a*) The subject of the thesis must be submitted to the Faculty before the thesis is presented.

(*b*) A paper read previously to any association or published in any way cannot be accepted as a thesis.

(*c*) The thesis becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

(*d*) The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of* 1891-92 *for sending in Theses for M.A. will be Jan.* 31*st*, 1892.

*Examination.*

3. All Candidates, except those who have taken First Rank B.A. Honours (or Second Rank B.A. Honours in or after 1889), or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each Candidate may select.

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(*a*) The subjects of the Examination in *Literature* are divided into two groups, as follows :—

Group A.—1. Latin. 2. Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(*b*) The subjects for the Examination in *Science* are divided into three groups :—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(*c*) Every Candidate in Literature is required to select two subjects out of one group in the Literary section, and one out of the other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(*d*) One of the subjects selected as above will be considered the principal subject (being so denoted by the Candidate at the time of application), and the other two as subordinate subjects.

For further details of the Examination, application must be made to the Faculty before the above date. For fees see § XI.

(*See also Appendix*).

### III. FOR THE DEGREE OF LL.D.

Candidates must be Masters of Arts of at least twelve years standing. Every Candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a Thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

Every Candidate for the Degree of LL.D. in Course is required to submit to the Faculty of Arts, with his Thesis, a list of books, treating of some one branch of Literature or of Science, satisfactory to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

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## § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (*a*) he has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (*b*) satisfied the Professor that he is otherwise qualified.

(*c*) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

### *I. Candidates for Honours in the Second Year.*

Candidates for Honours in the Second Year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

### *II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours, if Honours be offered in the subject, or, if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary Undergraduates.

### *III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners

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certify that the knowiedge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course

NOTE.—For subjects of Ordinary Course see III.

*IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine, or Applied Science of the University, or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates," see § VI.)

To be allowed these privileges in either year, they must give notice at the commencement of the Session to the Dean of the Faculty of their intention to claim exemptions as Professional Students, and must produce at the end of the Session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

*V. Students of the University attending Affiliated Theological Colleges.*

1. Such Students, whether entered as Matriculated or Occasional, are subject to the regulations of the Faculty of Arts in the same manner as other Students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such Students may attend, as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French or German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

*Any Student who, under any of the above rules, desires to take Experimental Physics, is required to take Mechanics and Hydrostatics also, in the Third Year.

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## § VI. MEDALS, HONOURS, PRIZES, AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the

Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:—

The *Henry Chapman Gold Medal*, for the Classical Languages and Literature.

The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.

The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.

The *Shakespeare Gold Medal*, for the English Language, Literature and History.

The *Logan Gold Medal*, for Geology and other Natural Sciences.

*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfil the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes on the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

The Honour Examinations are each divided into two parts, separated by an interval of a few days, under the following regulations:—

(*a*) No Candidate will be admitted to Part II., unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

(*b*) The names of the successful Candidates in Part I. will be announced before Part II. begins.

(*c*) First or Second Rank Honours will be awarded to those Candidates only who are successful in Part II.

(*d*) Third Rank Honours will be awarded to those who are successful in Part I. alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province, as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for first-class Certificates for Grades "A and B."*

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3. SPECIAL CERTIFICATES will be given to those Candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination. The Candidates must have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, be in the First Class in not less than half the subjects, and have no Third Class. At this examination, no Candidate who has taken exemptions (see § V.) can be placed in the First Class, unless he has obtained First Class in each of the departments in which he has been examined.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(*a*) The Regulations for the former are as follows :—

(1) The subjects for competition shall be French and German, together with the History part of the present Honour Course for the Shakespeare Medal.

(2) The Course of study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter on the Third Year of the Course, who have not obtained first-class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the Course in Modern Languages, if called on to do so by the Professors.

(8) The subjects of Examination shall be those of the Honour Course in Modern Languages.

(*b*) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows :—

(1) The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2) He shall be examined in the following subjects :—

(*a*) *Classics* (both languages); (*b*) *Mixed Mathematics :—Mechanics, Hydrostatics, Optics, Astronomy ;* (*c*) *Moral Philosophy ;* and any *two* of the following subjects, or any *one* of them with its Additional Course ; (*d*) Natural Science ; (*e*) Experimental Physics ; (*f*) English and History ; (*g*) French ; (*h*) German.

(3) His answering must satisfy special conditions laid down by the Faculty.

(4) The same Candidate cannot obtain the Gold Medal for First Rank General Standing, and also a Gold Medal for first Rank Honours.

7. THE NEIL STEWART PRIZE of $18 is open to all Undergraduates of this, and also to Graduates of this or any other University studying Theology in any College affiliated to this University, under the following rules :—

(1) The prize will not be given for less than a thorough examination in Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch, and such poetic portions of the Scriptures as may be determined.

(2) In case competitors should fail to attain the above standard, the prize will be withheld, and a prize of $36 will be offered in the following year for the same.

[Course for the present year :—Hebrew Grammar (Gesenius) ; Translation and analysis of Exodus ; Job ; Malachi.]

(3) There will be two Examinations of three hours each—one in Grammar and the other in Translation and Analysis.

The Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill, and will be offered for competition next session.

8. EARLY ENGLISH TEXT SOCIETY'S PRIZE.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be :—

(1) The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A.D. 1298—A.D. 1393. The Lay of Havelock the Dane (Early English Text Society, ed. Skeat).

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9. NEW SHAKSPERE SOCIETY'S PRIZE.—This Prize, the annual gift of the New Shakspere Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere :—

Hamlet ; Macbeth ; Othello ; King Lear.

10. "CHARLES G. COSTER MEMORIAL PRIZE."—This Prize, intended as a tribute to the memory of the late Rev. Charles G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1892, it will be awarded to that Undergraduate of the First or Second or Third Year, from the above Provinces, who in the opinion of the Faculty has passed the most satisfactory Sessional Examinations.

11. SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSION FOR THE EXHIBITION OF 1851.—These Scholarships of £150 sterling a year in value are tenable for two, or, in rare instances, three years. They are limited, according to the Report of the Commission "to those branches of Science (such as Physics, Mechanics and Chemistry), the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance, or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1891 has been placed by the Commission, at the disposal of McGill University, and another may be granted for the year 1893.

It is open to students of not less than three years standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

12. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit ; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

## § VII. LICENSED BOARDING HOUSES.

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

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## § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct :—

1. A Class-book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of the lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the Student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the Student, and, if necessary, report him to the Dean.

5. Every Student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

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6. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from Classes, or report to the Corporation for expulsion.

7. Any Student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any Student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interest of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

[NOTE.—All Students are required to appear in Academic dress while in or about the College building. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings, appointed in the Calendar.]

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## § IX. LIBRARY.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions:—1st, Those which may be lent; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2. Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of $5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of $4 entitles a Student to borrow two extra volumes.

4. A Student incurring fines beyond the sum total of $1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person, shall be replaced or paid for at such rates as the Library Committee may direct; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs.

6. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as Students; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Honorary Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by a special regulation of Corporation entitled to the use of the Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as Students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian or his assistant.

10. Persons not connected with the College may consult books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library, except during these hours.

12. No person, other than the Librarian and the assistants, is allowed to enter the alcoves, or to take down books from the shelves, except members of Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant, who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assistant before leaving the Library.

15. No conversation is permitted in the Library.

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## § X. PETER REDPATH MUSEUM.

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lectures.

4. Any Students wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

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## § XI. FEES.

All fees and fines are payable to the Bursar of the College.

I. *Undergraduates.*

(Undergraduates matriculated before April, 1891, are subject to the old scale of fees only.)

*Matriculation* (First Year) ..... $5 00

(In second year $7.50.)

*Tuition Fee* (per session) ..... 30 00

*Special Fees*, including Library, Museum, Gymnasium, Ordinary Examinations and annual Registration ..... 15 00

[Total per session $50.00 in First Year and $45.00 in subsequent years.]

II. *Partial Students.*

*Matriculation Fee* (First year) ..... 5 00

*Tuition Fee* (not exceeding 4 classes) ..... 30 00

*Tuition Fee*, separate classes (each) ..... 10 00

*Special Fees*, Library, Gymnasium, Museum, Ordinary Examinations and Registration (or for each separately $5.00) ..... 15 00

III. *Occasional Students.*

*Tuition Fee*, for each class ..... 10 00

*Special Fees* (optional) as for Partial Students.

*Examination in any subject* ..... 2 00

IV. *Miscellaneous.*

*Laboratory and Practical Classes*, viz., *Chemistry*, *Botany*, *Physics*, each per session ..... $10 00

*Petrography* ..... 5 00

*Supplemental Examinations* ..... 2 00

*Fee for a certificate of standing* if granted to a Student on application .. 1 00

*Fee for a certificate of standing*, if accompanied by a statement of classification in the several subjects of examination ..... 2 00

*Examination Fee* for Students of Affiliated Theological Colleges, who present themselves for the entrance examination without intending to become Undergraduates ..... 10 00

*Supplemental Examination*, when granted at any other time than that fixed by the Faculty ..... 5 00

*Matriculation Certificate*, for Students intending to enter the Medical Faculty ..... 2 50

N.B.—The lectures in one subject in any one of the four college years constitute a "Course."

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures, except those noted as requiring a special fee.

The fees must be paid the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each session. In case

of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of $2.

[All fines are applied to the purchase of books for the Library.]

| | |
|---|---|
| *Fee for the Degree of B.A.* ..... | $ 10 00 |
| " " " *M.A.* ..... | 10 00* |
| " " " *LL.D.* ..... | 50 00* |

If the Degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is $25.00.

The B.A. fee must be paid before the Examination.

The M.A. or LL.D. fee must be sent with the Thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the Thesis to the Dean of the Faculty.

*A Bachelor of Arts or a Master of Arts, intending to proceed to a higher Degree, is required, *in addition* to the above, to keep his name on the books of the University, by the annual payment of a fee of $2 to the Registrar of the University. He may, if he prefer it, compound for the above annual fees, by the payment of $6 in one sum for the Master's Degree, or $30 for the Doctor's Degree, on or before the date of application for the Degree.

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*Extract from the Regulations of the Board of Governors for Election of Fellows under Chap. V. of the Statutes of the University.*

"From and after the graduation of 1888 all new Graduates shall "pay a Registration Fee of $2.50 at the time of their graduation, "and in addition to the Graduation Fee; and shall be entered in "the University list as privileged to vote, and shall have voting "papers mailed to them by the Secretary."

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## § XII. COURSES OF LECTURES.

## *I. ORDINARY COURSE.*

### 1. CLASSICAL LITERATURE AND HISTORY.

(Major H. Mills Professorship of Classics.)

Professor, Rev. G. Cornish, M.A., LL.D.

Asst. Prof., A. J. Eaton, M.A., Ph. D.

GREEK.

*First Year.*—Homer.—Iliad, Book XXII. Xenophon.—Cyropaedeia, Book I.

*Second Year.*—Plato.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I-II. —Cox's General History of Greece (to the Peloponnesian War).

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*Third Year.*—Lysias.—Contra Eratosthenem. Æschylus.—Septem Contra Thebsas.

*Fourth Year.*—Æschines.—Contra Ctesiphontem.

LATIN.

*First Year.*—Cicero.—Select Orations. Virgil.—Aeneid, Bk. X. Latin Prose Composition with exercises based upon Nepos (Themistocles) and Caesar (Bk. II, Chaps. 14-28).—Bender's Roman Literature.—Mommsen's History of Rome (abridged), Chaps. I-XI.

*Second Year.*—Livy, Bk. XXI.—Horace, Epistles, Bk. I. 1, 2 and 6.—Translation at sight of passages from Cicero and Livy, and Latin Prose Composition based upon selections from the same authors.

*Third Year.*—Juvenal.—Satires III. and VIII. Pliny, Select Letters. Latin Prose Composition.

*Fourth Year.*—Tacitus.—Annals, Book I. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages, and to Prosody and Accentuation.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co.).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of Students.

Number of lectures in Fourth Year—two weekly, or, at the discretion of the Professor, three.

## 2. ENGLISH LANGUAGE AND LITERATURE.

(MOLSON PROFESSORSHIP.)

Professor, CHAS E. MOYSE, B.A.
Lecturer, PAUL T. LAFLEUR, M.A.

*First Year.*—English Language and Literature. Three lectures a week. Until Christmas the work of the Class will partly consist of exercises in English Composition. Two lectures a week will be given to the study of English Classics. Milton's Comus and a portion of Bacon's Essays have been selected for the Session of 1891-92. After Christmas there will be a course of about thirty lectures on English Literature previous to the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English Writers (Cassell 1887).*

*Second Year.*—A period f English Literature and one play of Shakespeare. One Lecture a week before Christmas; two lectures a week after Christmas. During the session f 1891-92, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakespeare—A Midsummer Night's Dream. (Clarendon Press Edition.)

*Third Year.*—*A.* Chaucer's Prologue to Canterbury Tales. Lecture once a week; *Text-Book:*—Chaucer's Prologue, etc., ed. Morris. *B.* Rhetoric. Lecture once a week; *Text-Book:*—Bain's Rhetoric.

*Fourth Year.*—History. The lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the discovery of the New World. The use of Professor Nichol's Tables of European History is recommended.

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## 3. MENTAL AND MORAL PHILOSOPHY.

(JOHN FROTHINGHAM PROFESSORSHIP OF MENTAL AND MORAL PHILOSOPHY.)

Professor, REV. J. CLARK MURRAY, LL.D.

Lecturer, PAUL T. LAFLEUR, M.A.

*Second Year.*—First term.—Elementary Psychology. (*Text-Book:*—Murray's Handbook of Psychology, Book I.) Second Term.—Logic. (*Text-Book:*—Jevons' Elementary lessons in Logic.)*

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II, Part I.

*Fourth Year.*—First Term:—The Psychological Basis of Ethics. Second Term.—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Textbook:*—Murray's Introduction to Ethics.

In the Third and Fourth Years Students are also required to write occasional essays on Philosophical subjects.

For Additional Courses see Honour Course.

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* The prizes are awarded on the work of the whole Session.

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## 4. FRENCH LANGUAGE AND LITERATURE.

Professor, P. J. DAREY, M.A., B.C.L., LL.D., Officier d'Académie.

*First Year.*—Darey.—Principes de Grammaire Française. Lafontaine.—Choix de fables. Molière—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine. Esther. Ponsard—l'Honneur et l'Argent. Contanseau.—Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French:—Dr. Johnson.—Rasselas. Dictation. Parsing. Colloquial exercises.

*Third Year.*—Corneille.—Le Cid. Cogery.—Third French course. Translation into French:—Johnson.—Rasselas. Dictation. Contanseau.—Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours.

*Fourth Year.*—Cogery.—Third French course. Bonnefon.—Les Ecrivains modernes de la France. Translation into French:—Morley.—Ideal Commonwealths. French Composition. Dictation. Corneille.—Le Cid.

For Additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*



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## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer :—P. TOEWS, M.A.

*First Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 3-5). Immermann; Der Oberhof. Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's German Grammar. Lessing, Minna von Barnhelm; Schiller, Siege of Antwerp. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German Composition. Dictation.

*Fourth Year.*—German Grammar and Composition. Goethe:—Aus meinen Leben; Schiller, Wallenstein. Outlines of German Literature:—Gostwick and Harrison (Chapters 15-24).

For Additional Courses see Honour Lectures.

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## 6. HEBREW AND ORIENTAL LITERATURE.

Professor, REV. D. COUSSIRAT, B A., B.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—*Text-Books:*—Harper's Elements of Hebrew; and Introductory Hebrew Method and Manual.

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from the Hebrew Bible.—Exercises.—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic Notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation from the Hebrew Bible. Reading of the Masoretic Notes.

The course comprises Lectures on the above Language and its Literature in particular with a general notice of the other Oriental Languages, its genius and peculiarities. Comparative Philology, affinity of Roots, etc., also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, etc.

For Additional Courses see Honour Lectures.

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## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(PETER REDPATH PROFESSORSHIP OF NATURAL PHILOSOPHY.)

Professor, ALEXANDER JOHNSON, M.A., LL.D.

**In the ordinary work of the First Year, assistance will be given by G. H. Chandler, M.A., Professor of Practical Mathematics in the Faculty of Applied Science.**

*First Year.*—MATHEMATICS.—Arithmetic.—Euclid, Books 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6); Todhunter's Edition—or Hall and Stevens'; the latter is recommended to Candidates for Honours especially. Colenso's Algebra (Part I) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—MATHEMATICS.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

The course for the Intermediate University Examination consists of the Mathematics for the first two years.

*Third Year.*—MATHEMATICAL PHYSICS.—Galbraith and Haughton's Mechanics, viz.: *Statics*, first 3 chapters, omitting sec. 5, chapter I., and sec. 21, chapter II; *Dynamics*, subjects of the first 5 chapters. Galbraith and Haughton's Hydrostatics.

(*Optional but open to those only who have studied the above Mathematical Physics*).—OPTICS (Galbraith and Haughton). ASTRONOMY (Lockyer's Elementary Astronomy, English edition: first three chapters, viz., The Stars and Nebulæ; The Sun; The Solar System). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—ASTRONOMY.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subject will be given before Christmas.

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## 8. EXPERIMENTAL PHYSICS.

(W. C. MCDONALD PROFESSORSHIP.)

Professor, JOHN COX, M.A.

*Third Year.*—Laws of Energy—Heat and Light.

*Fourth Year.*—Sound, Electricity and Magnetism.

In each year two hours a week will be devoted to fully illustrated experimental Lectures on the subjects named. Courses of practical work in the Physical Laboratory are arranged so that experiments, chiefly quantitative, bearing on the subjects treated in the Lectures, may be performed by the Students themselves. Opportunity is given to learn the nature and use of the principal instruments employed in the exact and practical measurement of physical quantities.

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## 9. GEOLOGY, MINERALOGY AND PETROGRAPHY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor, SIR J. WM. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph.D., F.G.S., Professor of Mineralogy.

FRANK D. ADAMS, M.Ap.Sc., Lecturer on Petrography and Physical Geology.

*Fourth Year* (1)—MINERALOGY AND PETROGRAPHY.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

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(2) PHYSICAL GEOLOGY AND STRATIGRAPHY.—Denudation and Origin of Aqueous Deposits; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Origin of Mountains; Field Geology and Construction of Geological Maps and Sections.

(3) CHRONOLOGICAL GEOLOGY AND PALÆONTOLOGY.—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

TEXT-BOOKS.—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the Library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

The Geology course is specially fitted to those Students who have taken the Natural Science studies of the previous years, but others are not excluded.

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## 10. ZOOLOGY AND PALÆONTOLOGY.

Professor, SIR J. WILLIAM DAWSON, LL.D., F.R.S.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals with recent and fossil examples, taken as far as possible from Canadian species,—the whole with reference to the study of Canadian animals recent and fossil. Demonstrations in the Museum. *Text-book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of $20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize collections or duplicates of them to remain in the Museum if required. Candidates must be students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals, or the fossils of one geological system or one definite locality.

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## 11. BOTANY.

Professor, D. P. PENHALLOW, B.Sc.

*Second Year.*—This course is designed to give the Students a thorough acquaintance with the principles of Morphology and Classification, the elements of Histology and the most prominent Physiological functions of the plant. The Flora of Canada will be given prominence as far as possible, and in descriptive work constant use will be made of the large Herbarium and of the Botanic Garden. So far as time will permit, weekly excursions will be made for field study of plants.

TEXT-BOOK.—Gray's Structural Botany.

For the coming year two prizes will be offered for the best collection of Canadian plants:—

The first prize of $25 is offered by Mr. H. H. Lyman; the second prize of $15 is offered by Mr. Wm. Drysdale.

The specimens must be prepared in accordance with directions to be given. Specimens collected by persons other than the actual competitors will not be admitted except when obtained by exchange. Competition is open to those students only who have taken the regular course of Botany in the previous session.

All collections will be returned after the awards are made.

*Third Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. Microscopical manipulations, micro-chemical reactions, general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. No Student will be admitted to the Course in the Fourth Year without having followed that for the Third Year.

Text-Books.—Bower and Vines' Practical Botany. Gœbel's Outlines of Classification and Special Morphology.

*Fee for Additional Course*, $10 per session for use of instruments and reagents.

A prize will be awarded to the Student showing the greatest proficiency in the work of the two years.

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## 12. CHEMISTRY.

(David J. Greenshields Professorship of Chemistry and Mineralogy.)

Professor, B. J. Harrington, B.A., Ph.D.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements, and many of their compounds, etc. A few Lectures are usually devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, etc. During the course attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

Text-Book.—Remsen's Introduction to the study of Chemistry.

*Third Year.*—Additional Department. (*The Chemistry of the Metals, or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Thorpe and Muir's Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—Additional Department. A course of Practical Chemistry, in continuation of that of the Thi d Year.

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NOTE.—New chemical laboratories, capable of accommodating about forty Students, have recently been erected, and afford excellent facilities for practical work. Students in Arts taking classes in Practical Chemistry pay a special fee of ten dollars for the session.

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### 13. METEOROLOGY.

Superintendent of Observatory, C. H. McLEOD, MA.E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

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### 14. PEDAGOGY.

Lectures on this subject will be given in the Normal School to undergraduates of the Third and Fourth Years who wish to obtain the Provincial Academy Diploma.

Lecture hours : 3 p.m., Tuesday and Friday.

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### 15. GYMNASTICS.

R. T. MACKENZIE, B.A., Instructor.

The classes will meet at the University Gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to Students of the Graduating Class, and to Students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter. (See Regulations appended.)

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## *II. HONOUR COURSES.*

### 1. CLASSICS.

*Third Year.*—The Authors to be read in Class, and privately by the Candidates, together with the History and other subjects, are selected at the commencement of the Session, and are divided into *Part I.* and *Part II.*, at the Honour Examination.

*Fourth Year.—Part I.*—(1) *Greek Authors:*—Æschylus, Prometheus Vinctus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Æschines, Contra Ctesiphontem. (2) *Latin Authors:*—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires V. and VI.; Livy, Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero, De Officiis. (3) *Greek and Latin Prose Composition:*—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1) *Greek:*—Plato

Republic, Books I. and II. Aristotle, The Poetics. Herodotus, Book VIII. Thucydides, Books VI. and VII. Hesiod, Works and Days. Æschylus, Seven against Thebes. Aristophanes, The Frogs. Pindar, Olympic Odes. Theocritus, Idylls I. to VI. Demosthenes, De Corona. (2) *Latin* :—Livy, Books XXII. and XXIII. Tacitus, Annals, Book I. Tacitus, Histories, Book I. Virgil, Æneid, Books I. to IV. Plautus, Aulularia. Terence, Adelphi. Juvenal, Sat. X. Cicero, De Imperio Cn. Pompeii. (3) *History of Greece and Rome* :—*Text-Books.*—1. Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Donaldson's Theatre of the Greeks. (4) *Composition* :—Composition in Greek and Latin Prose. (5) General Paper on Grammar, History and Antiquities.

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## 2. MENTAL AND MORAL PHILOSOPHY.

### THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; James' Principles of Psychology Chapters 17-22 inclusive; Thomson's Outlines of the Laws of Thought. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Plato's Theaetetus (by S. W. Dyde)—Fraser's Selections from Berkeley.

### FOURTH YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 22-45 inclusive; Lorimer's Institutes of Law; Descartes' Method and Meditations; Green's Prolegomena to Ethics; Mill's System of Logic, Book VI. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of Candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

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## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

### THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive Spencer—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Third Year.) Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absalom and Achitophel, Part I.; the Preface to the "Fables;" Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

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*Part II.*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, Vol. II., chap. X., sections V-X. inclusive; Macaulay, Vol. I., chap. I.; Green, History of the English People—(Reigns of Eliz. and Chas. II.)

FOURTH YEAR.

*Part I.*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chaps. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year.) Early English; Morris and Skeat, Part II., Extt. X-XX. inclusive; Shakspere—Love's Labor's Lost—A Midsummer Night's Dream—Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part II.*—Portions of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed. Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth, and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, chaps. L., LI., LXIV., LXV.; Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

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## 4. MATHEMATICS AND PHYSICS.

*First and Second Years.*—MATHEMATICS.—Hall and Stevens' Euclid; McDowell's Exercises in Modern Geometry; Hall and Knight's Advanced Algebra; Todhunter's or Burnside and Panton's Theory of Equations (selected course); Lock's Higher Trigonometry, with McClelland and Preston's Spherical Trigonometry, Part I.; Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13 inclusive; Williamson's Differential and Integral Calculus (selected course).

*Third Year.*—MATHEMATICAL PHYSICS. Part I.—1. Minchin's Statics, Vol. I, selected chapters. 2. Williamson and Tarleton's Dynamics, chaps. 1 to 8 inclusive. Part II.—Remainder of Minchin's Statics, Vol. I.; Besant's Hydro-mechanics, Part I., chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

B. A. HONOUR COURSE.

*Part I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole). PURE MATHEMATICS.—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*— PURE MATHEMATICS.—Boole's Differential Equations (selected course). MECHANICS.—Minchin's Statics, Vol. II., except chapters 14 and 18. Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a particle). Routh's Dynamics of a Rigid Body (for reference). Besant's Hydro-mechanics.

PHYSICAL ASTRONOMY.—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9 and 11.

LIGHT.—Preston's Theory of Light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity.

HEAT, ACOUSTICS } As in ordinary course.

Engineering Students may be Candidates for Honours.

The above course in each year, and the lecture hours assigned to it in the time table, are subject to alterations or omissions, which will be made definitely known to Candidates for Honours at the beginning of the session.

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## 5. GEOLOGY AND NATURAL HISTORY.

### THIRD YEAR.

*Part I.—Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species, important as constituents of rocks. (One lecture weekly during First Term, and two during Second.)

*Part II.—Blowpipe Analysis and Determinative Mineralogy.*—(One afternoon weekly in the Laboratory during the session.—*Text-Book:*—Brush's Determinative Mineralogy and Blowpipe.)

Instructions will be given to the class for study and collection in the vacation.

### B.A. HONOUR COURSE.

*Part I.*—(1) *Mineralogy.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of Mineralogical Formulæ, Quantivalent Ratios, etc. (Two lectures weekly in the First Term.)

(2) *Palæontology.*—Being an extension of that in the third year, with special studies of the more important groups of Fossils. (One lecture and one demonstration weekly in the First Term.)

*Part II.*—(3) *Petrography.*—Essential and accessory constituents of Rocks. Microscopic and macroscopic characters. Preparation of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture weekly in the Second Term, with additional practical work 4 hours weekly.)

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(4) *Canadian Geology.*—Special studies of the Geology of the Dominion of Canada. (One lecture weekly in the Second Term.)

(5) *Practical and Applied Geology.*—Including methods of observing, and recording geological facts, and searching for mineral deposits—Geology as applied to the Arts. (One lecture weekly in the Second Term.)

TEXT-BOOKS.—Dana, Geikie, Dawson, Nicholson, Survey Reports, etc.

Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honours.

ADDITIONAL DEPARTMENT.

*Third Year.*—Mineralogy as in Part I. above.

*Fourth Year.*—Palæontology and Practical Geology as in Parts I. and II. above. Or the Student may take the Lectures in Mineralogy instead of Palæontology, or those in Petrography or Canadian Geology instead of Practical Geology.

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## 6. MODERN LANGUAGES.

(French and German, both of which must be taken.)

THIRD YEAR.

*Part I.*—FRENCH.—La Fontaine :—Les Fables. Racine :—Les Plaideurs. Paul Albert :—Littérature de XVIIe siècle. Translation into French.—Goldsmith :—The Vicar of Wakefield. Corneille :—Horace.

GERMAN.—Schiller, Wilhelm Tell. German Prose composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Courses in French and German must also be taken. See § III.

*Part II.*—FRENCH.—Racine :—Phèdre, Les Plaideurs. Boileau :—L'Art Poétique. Pascal :—Les Pensées. Brunot :—Grammaire Historique.

GERMAN.—Wieland.—Oberon. History of German Literature ; Gostwick and Harrison, Chaps. I-V., IX., XIII.

FOURTH YEAR.

*Part I.*—FRENCH.—Brunot :—Grammaire Historique. Paul Albert :—La Littérature Française, des origines à la fin du XVIe siècle. Emile Souvestre :—Un Philosophe sous les toits. Translation into French :—As You like it.

GERMAN.—Lessing, Nathan der Weise ; Wieland : Die Abderiten. German Prose Composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs.)

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH. Molière:—Le Misanthrope. Victor Hugo:—Hermani. La Rochefoucauld:—Les Maximes. Montaigne. Brunot:—Grammaire Historique. Etudes des anciens textes Français (Demogeot).

GERMAN.—A special study of Goethe's "Faust" (Part I.). Selections from Heine's Lyrical Poems. Paul:—Middle High German Grammar. Zarnke:—Das Niebelungen Lied. Gostwick and Harrison, Chaps. XXV., XXX.

For First and Second Rank Honours the successful Candidates must be capable of speaking and writing both languages.

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## 7. SEMITIC LANGUAGES.

### THIRD YEAR.

*Part I.*—*Hebrew.*—Genesis (the whole book). Isaiah, chaps. 40-66. *Aramaic.*—Daniel. *Syriac.*—The Peshito: St. John, chaps. 1-5. *Literature.*—Driver's "Uses of the Tenses in Hebrew."

*Part II.*—*Hebrew.*—Ecclesiastes (the whole Book). Psalms, Books 1 and 2 (1-72). *Aramaic.*—Targum of Onkelos, Genesis, chaps. 1-10 *Syriac.*—The Peshito,—Romans, chaps. 1-5. *Literature.*—Davidson's "The Hebrew Text of the Old Testament."

### FOURTH YEAR.

*Part I.*—*Hebrew.*—Proverbs, chaps. 20 31. Job, chaps. 27-42. *Aramaic.*—Ezra. *Syriac.*—The Peshito: St. John, chaps. 6-15. *Literature.*—Muller's "Outlines of Hebrew Syntax."

*Part II.*—*Hebrew.*—Deuteronomy (the whole Book).—Malachi (id.). *Aramaic.*—Selections from the Targums of Jonathan Ben Uzziel, etc. *Syriac.*—Bar Hebræus: Selections from his Chronicles. *Literature.*—Renan's "A General History of the Semitic Languages."

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*Additional Department:*—(*For Third and Fourth Years.*)—*The Aramaic Language:*—Brown's Aramaic Method and Translation. The Aramaic portions of Scripture, Targums of Onkelos and Jonathan Ben Uzziel. *The Syriac Language:*—Grammar, Translation from the Peshito.

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# LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

## SESSION OF 1891–92.

| | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | 9 | Classics. | † Mathematics. (*b*) | Mathematics. | † Mathematics. (*b*) | Mathematics. |
| | 10 | Mathematics. | Classics. | Classics. | Classics. | Classics. |
| | 11 | English. | * French. | * French. | * French. | English. |
| | 12 | Elementary Chemistry. | * German. * Hebrew. | English. | * German. * Hebrew. | Elementary Chemistry. |
| SECOND YEAR. | 9 | * French. | Logic. | * French. | * Hebrew. | * French. |
| | 10 | Classics. | * Hebrew. | Logic. | Logic. | * German. † Mathematics. |
| | 11 | Mathematics. | Classics. | † Mathematics. Botany. | Classics. | Classics. |
| | 12 | † Mathematics. Botany. | * German (*c*). Math. Phy. | English (*b*). | * German (*c*. | English. |
| THIRD YEAR. | 9 | English Literature. | Classics. | † Classics. † Math. Phy. | Classics. | †Classics. † English. † Geol. |
| | | ~~Geology. (*b*).~~ | Geology | † Anglo-Saxon. | | German. † Math. Phys. |
| | 10 | German. † Math. Physics. | French. † Ment. Phil. | Physics (Mathematical). | French. Chemistry. | Rhetoric. |
| | | † Mental Philosophy. | | | Hebrew. | * Syriac, etc. |
| | 11 | Mental Philosophy. | Zoology. | Mental Philosophy. | Zoology. | Math. Physics. |
| | 12 | | Experimental Physics. | Classics. | Experimental Physics. | |
| | 1 | | Hebrew. | | Hebrew. | |
| FOURTH YEAR. | 9 | Exp. Physics. † English. | Astronomy. (*a*) | † Classics. Geology. † Math. Phy. | Exp. Physics. | † Classics. † Math. Physics. |
| | 10 | Geology. | French. † Ment. Phil. | English Literature. | † Mental Philosophy. | Geology. |
| | 11 | Classics. † Geology. | Moral Phil. † Math. Phys. | Classics. | German. History. | French. † Geology. Anglo- |
| | 12 | Moral Phil. | Chaldee. | † Geology. | Moral Philosophy. | Saxon and Early English. |
| | 1 | | | | Chaldee. | German. |
| | | | | | Astronomy. (*a*) | |
| | | | | | * Hebrew. | |

(*a*) During First Term. (*b*) Second Term. (*c*) For beginners entering 2nd Year. † For Candidates for Honours

* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew.

Classes at 1 p.m. may be changed to other hours.

Library open every day, 9 to 4. The Museum will be opened as arranged by the Principal.

Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m., for 3d and 4th Years; First Year with the Class in Applied Science.

# Special Course for Women.

## IN THE FACULTY OF ARTS.

### Donalda Endowment.

Professors and Lecturers (as on page 27). Lady Superintendent, Miss Helen Gairdner.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates wear the Academic Dress; others do not.

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination in these subjects.)

The *Jane Redpath Exhibition* is open for competition, at the beginning of the First or Second Year, to both men and women.

Another Exhibition (value $100, along with free tuition) is open for competition in the First or Second Year, to students of the Donalda Department only. For course see § II *ante*. Candidates for this Exhibition are allowed, according to the general rule of the Donalda Department, to substitute a Modern language for Greek in the examination. In this case while the course in one modern language will be as in §II *ante*, the course in the other to be substituted for Greek will be—

For First Year:—

*French*:—Grammar—Darey's French Grammar. Lafontaine's Fables. Molière—Le Bourgeois Gentilhomme. Sardou.—Mlle de la Seiglière.

Translation from English into French.

or *German*:—Grammar—Vandersmissen and Fraser's German Grammar. Adler's Reader:—First and Second Parts. Schiller—Der Gangnach den Eisenhammer.—Schiller—Das lied von der Gloche.

Translation from English into German.

For Second Year:—

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*French*:—Racine, Iphigenie. Dr. C. Saucerote — l'Esprit de Montaigne. Lamartine, Jeanne d'Arc.

or *German*:—

Schiller, Der Neffe als Onkel.
Egmont, Leben und Tod.
Die Kraniche des Ibycus (Buchheim).
Grammar. Translation of French and English into German.

One free tuition may be awarded to a Candidate who approaches very near to the winner of either of the Exhibitions.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

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## I. MATRICULATION AND ADMISSION.

*Classics.*—I. *Latin.*—Caesar, Bell. Gall, Book I; and Virgil, Aeneid, Book I, lines 1-300; Latin Grammar.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language, subject to the same regulations throughout the course of four years.

*Mathematics.*—Arithmetic including a knowledge of the Metric System; Algebra to Quadratic Equations (inclusive); Euclid, Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates unable to take French are not excluded, but will be required to study German after entrance.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics.

Partial Students.—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

Occasional Students.—Ladies desirous of taking one or two Courses of Lectures in the separate classes for women, as Occasional Students, will report their names and the classes they desire to attend to the Lady Superintendent, and may then procure tickets from the Secretary of the University

## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In Separate Classes.*

*First Year.*—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

*Second Year.*—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics and Mathematical Physics; Botany.

*Third Year.*—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions, at the option of the Student, provided two be selected from one division, and one from the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been previously chosen. (*b*) French or German (whichever has been taken in the first two years). (*c*) English and Rhetoric. (*d*) Mental Philosophy.

*II. Science.*—(*e*) Optics and Descriptive Astronomy. (*f*) † Experimental Physics. (*g*) Natural Science (Zoology).

*Fourth Year.*—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy with any three subjects out of the two following divisions, at the option of the Student, provided two be selected out of the one division, and one out of the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been taken above. (*b*) French or German, same language as in Third Year. (*c*) History.

*II. Science.*—(*d*) Astronomy and Optics, if not chosen as above. (*e*) † Experimental Physics. (*f*) Natural Science (Geology).

† Undergraduates claiming exemptions (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the Student in either Third or Fourth Year may select one subject only, together with an additional course in the same, or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz, Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the division.

Additional courses are provided at present in Botany and Practical Chemistry.

*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional, and open to Occasional Students.

*Elocution.*—Should Students offer, a class for Reading and Elocution will be opened, if possible.

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HONOUR COURSES AND ADDITIONAL COURSES.

(*In Mixed Classes.*)

Undergraduates desirous to take one of the Honour Courses in Classics, Mathematics, Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

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## III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D., conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as Fellows.

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## IV. FEES.

See Section XI., *ante*.

The Fees are to be paid to the Registrar of the University, from whom Tickets for the Library and copies of the Library Rules may be obtained.

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal, and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examinations and is recommended by the Commissioners.

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## V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

## LECTURES OPEN TO OCCASIONAL STUDENTS, SESSION 1891-92.

CHEMISTRY :—*Dr. Harrington.* Tuesday and Thursday at 12.
BOTANY :—*Prof. Penhallow.* Monday at 3, Wednesday at 12.
ZOOLOGY :—*Sir Wm. Dawson.* Tuesday and Thursday at 12.
GEOLOGY :—*Sir Wm. Dawson and Mr. Adams.* Monday and Friday at 12 Wednesday at 10 a.m.
EXPERIMENTAL PHYSICS :—*Professor Cox.* Tuesday and Thursday, at 10 a.m. and 11 a.m.
PSYCHOLOGY AND LOGIC :—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday at 4 p.m., and Thursday at 12.
MENTAL PHILOSOPHY :—*Rev. Dr. Murray and Mr. Lafleur.* Monday and Wednesday at 4 p.m.
MORAL PHILOSOPHY :—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a.m.
RHETORIC :—*Mr. Lafleur.* Tuesday at 11 a.m.
ENGLISH :—*Prof. Moyse and Mr. Lafleur.* Language and Literature, Tuesday, Wednesday and Friday at 4 p.m. Poets of the 19th Century, Wednesday, 3 p.m. Shakespeare, every alternate Friday at 3 p.m. Chaucer—Monday at 10 a.m.
HISTORY :—*Prof. Moyse.* Thursday at 9 a m.
LATIN AND GREEK* :—*Rev. Dr. Cornish and Dr. Eaton.*
FRENCH* :—*Dr. Darey.*
GERMAN* :—*Mr. Toews.*
MATHEMATICS AND MATHEMATICAL PHYSICS* :—*Dr. Johnson and Prof. Chandler.*

Those Courses in which two lectures weekly are delivered will each amount to about 45 lectures, and the others in proportion.

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* The Lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation as ascertained by examination.

## APPENDIX.

*Lectures for Candidates for the degree of M.A. in course.*

It is hoped that arrangements will be made next session for courses of Lectures accessible to Bachelors of Arts desirous of preparing for the examinations for the degree of M.A.

Information as to details may be obtained on application to the Dean of the Faculty.



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## FACULTY OF ARTS.

### *Ordinary Lectures in the Donalda Special Course for Women.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 9 | † Mathematics (*b*) | | | | |
| | 11 | | | † Mathematics (*b*) | | |
| | 12 | | Chemistry. | | Chemistry. | Greek. |
| | 2 | Mathematics | French. | Mathematics. | French. | Mathematics. |
| | 3 | Latin. | German. | Latin. | Latin. | German. |
| | 4 | Greek. | English. | English. | | English. |
| Second Year. | 10 | Mathematics. | Math. Phy. | | | |
| | 11 | Greek. | † Mathematics. | Latin. | † Mathematics. | |
| | 12 | | Latin. | Botany. | Logic. | |
| | 2 | | | | | |
| | 3 | Botany. | French. | English. | French. | English. |
| | 4 | German. | Logic. | Greek. | German. | Logic. |
| Third Year. | 10 | English. | Classics. | | Classics. | French. |
| | 11 | French. | Rhetoric Exp. Physics. | | Exp. Physics. | |
| | 12 | Classics. | Zoology. | Math. Physics. | Zoology. | Math. Physics |
| | 3 | German. | | | German. | |
| | 4 | Metaphysics. | | Metaphysics. | | |
| Fourth Year. | 9 | Astronomy (*a*) | | | History. | |
| | 10 | French. | Exp. Physics. | Geology. | Exp. Physics. | French. |
| | 11 | German. | Classics. | Astronomy (*a*). | Classics. | Moral Phil. |
| | 12 | Geology. | Moral Phil. | Moral Phil. | | Geology. |
| | 2 | | | | | German. |

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

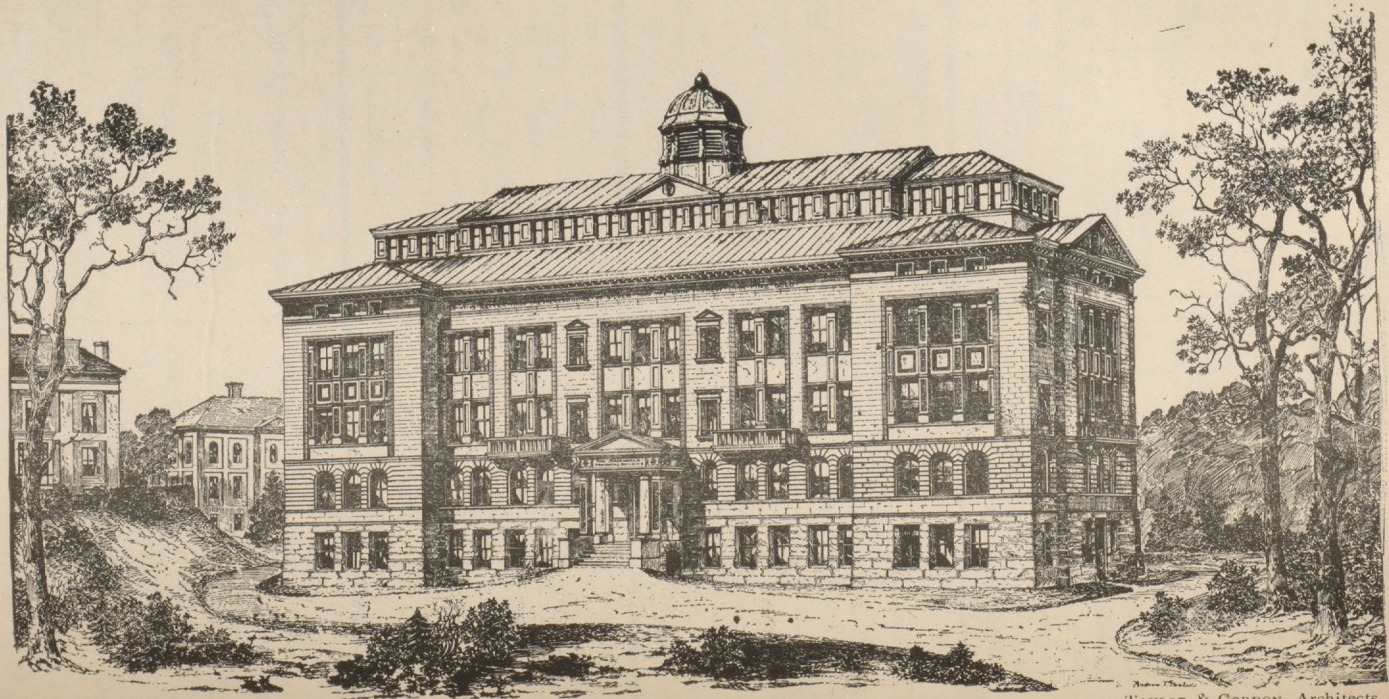
† For Candidates for Honours.

* For Honour Lectures in 3rd and 4th years see previous table.

(*a*) During First Term.

(*b*) During Second Term.

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TAYLOR & GORDON, Architects.

THE W. C. McDONALD ENGINEERING BUILDING.

# Faculty of Applied Science.

THE PRINCIPAL *(ex-officio)*.

Professors :—HARRINGTON. Associate Professors :—DAWSON.
BOVEY. DAREY.
McLEOD. MOYSE.
CHANDLER. PENHALLOW.
CARUS-WILSON. COX.

Associate Lecturers :—LAFLEUR, TOEWS, ADAMS.

Assistant :—TAYLOR.

Dean of the Faculty :—HENRY T. BOVEY, M.A., M.INST.C.E.

## § I. GENERAL STATEMENT.

The Instruction in this Faculty is designed to afford a complete preliminary training, of a practical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Five distinct Departments of study are established, viz. :—

(1).—Civil Engineering and Surveying. (2).—Electrical Engineering. (3).—Mechanical Engineering. (4).—Mining Engineering. (5).—Practical Chemistry.

Each of these extends over four years, and is specially adapted to the prospective pursuits of the Student.

The Degrees conferred by the University upon such undergraduates of this Faculty as shall fulfil the conditions and pass the Examinations hereinafter stated will be, in the first instance, "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued ; and, subsequently, the degrees of "Master of Engineering" or of "Master of Applied Science." (§ III.)

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## CIVIL ENGINEERING AND SURVEYING.

This course is designed to supply a thorough training in the principles upon which is based the sound practice of a civil engineer.

The course comprises lectures and systematic work in the Drawing Room (§ IX), Field (§ IX), Workshops (§ X) and Laboratories (§ X).

In the lecture-room, the accuracy and extent of the Student's knowledge are frequently tested by means of questions such as the engineer is likely to meet with in the exercise of his profession.

## ELECTRICAL ENGINEERING.

This course is based on a thorough training in mathematics and experimental physics gained during the first three years. In the fourth year the Student will enter the Electrical Engineering Laboratory, where the practical application of physical laws and methods is illustrated in the working of the apparatus with which the Laboratory is equipped.

## MECHANICAL ENGINEERING.

The Lectures and class work are devoted to a study of the principles of Kinematics and Dynamics of Machinery, and of Thermodynamics. Work is done in the Mechanical and Thermodynamic Laboratories, where the practical application of the theories discussed in the lecture room is illustrated.

The Student will also go through a course of Mechanical Drawing and of Workshop practice.

## MINING ENGINEERING.

The object of this Department is to give Students a knowledge of the characters and modes of occurrence of various economic minerals, together with the methods employed for their analysis, extraction and subsequent treatment. The work includes such portions of the Civil and Mechanical Engineering courses as are essential to the education of a mining engineer.

PRACTICAL CHEMISTRY.

The work in this Department is intended to prepare Students to act as analytical chemists and assayers, or as teachers of Chemistry. The training which it affords would also be of the greatest benefit to young men entering various departments of commercial life or intending to take part in manufacturing industries.

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## § II. MATRICULATION AND ADMISSION.

JUNIOR MATRICULATION.—For entrance into the First Year, two examinations are held :—

(1) In the first week in June, when Schools may send their pupils for examination to McGill College.

N. B.—Schools at a distance may send to the Secretary of the University the names of Deputy Examiners, together with a list of candidates, on or before May 15th, and, if approved, the examination papers will be forwarded to them.

(2) At the opening of the session, on September 15th and following days, in McGill College alone.

The subjects of examination are :—

*Mathematics.**—Arithmetic, including a knowledge of the Metric System Algebra, to the end of Simple Equations ; Euclid's Elements, Books I., II., III.

*English.*—Dictation, Grammar (including Analysis) and Composition.

*French.*—Grammar to Syntax (exclusive) and easy translation.

Candidates unable to take the French examination are allowed to enter, but must take German as the modern language of their undergraduate course.

Candidates who have passed the Associate in Arts examinations in the above subjects will be received as Matriculated Students in the First Year.

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*After September, 1891, the subject of Mathematics will include Algebra to the end of Quadratic Equations, and Trigonometry (as in Hamblin Smith's Trigonometry, pages 1 to 100, omitting Chap. XI).

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* SENIOR MATRICULATION.—For entrance into the Second Year, only one examination is held, viz., on September 15th and following days, in McGill College. The subjects of examination are :—

*Arithmetic.*

*Algebra.*—To the end of Quadratics (as in Colenso's Algebra, Part I).

*Euclid.*—Books, I, II, III, IV, VI, and XI, and the definitions of Book V.

*Plane Trigonometry.*—Including solution of Triangles, and the use of Mathematical Tables.

*Chemistry.*—As in Remsen's Introduction to the Study of Chemistry.

*English.*—Dictation, Grammar (including Analysis), Composition, and the leading facts of the History of England.

*French or German.*—Grammar and easy translation.

Candidates unable to pass in Chemistry may be allowed by the Faculty to enter and take the First Year lectures on Chemistry.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

PARTIAL STUDENTS.—Students may be allowed to take one or more courses of instruction upon showing by examination or otherwise that they are qualified to do so.

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## § III. EXAMINATIONS.

### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

#### 1. FACULTY EXAMINATIONS.

There will be a Christmas Examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A Sessional Examination in all the subjects will be held at the end of the First and Second Years.

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*There will be no matriculation examination for entrance into the Second year after September, 1891.

2. UNIVERSITY EXAMINATIONS.

(*a*) There will be a Primary Examination at the end of the Third Year in all subjects of that year. Candidates must pass this Examination before entering the Final Year.

(*b*) There will be a Final Examination for the degree of Bachelor of Applied Science at the end of the Fourth Year, in all the subjects of that year.

Successful Students will be arranged in order of merit.

NOTE.—Students who take their Degree in one of the Courses provided by the Faculty of Applied Science may graduate in any of the remaining Courses, by attending one or more subsequent sessions.

## II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years* standing, and must produce satisfactory certificates of having been engaged during that time upon *bonâ fide* work in either the Civil, Electrical, Mechanical, or Mining Branch of Engineering.

They must pass with credit an examination extending over the general theory and practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for Examinations, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the Examination.

## III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years* standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an examination on the Theory and Practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading.

* Students taking a post graduation course will be allowed to pass the examination for the Master's Degree at the end of the first year, and the Degree will be conferred at the end of the third year, provided the remaining conditions, specified above, have been fulfilled.

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## § IV. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

## § V. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the Library and Museum as Undergraduates in Arts.

## § VI. FEES.

The fees for all Students, excepting such as entered previous to September, 1890, will be $100.00 per annum, this amount to include matriculation, tuition, gymnasium, library and graduation fees, and also the use of the machinery and other apparatus, as well as the cost of material in the workshops and engineering laboratories. The present Third and Fourth year Students may obtain similar privileges on payment of a special fee of $10.

Every Student will be required to deposit with the Secretary of the University the sum of $5.00, as caution money for damage done to the machinery or other apparatus.

Partial Students may be admitted to the Professional Classes in any year by payment of the ordinary fees for that year; or they may attend the lectures on any subject by payment of a special fee.

SPECIAL WORKSHOP FEES.—Partial Students desirous of taking the workshop courses will be required to pay of the following fees, which include cost of materials and use of all tools:

| | | | | | |
|---|---|---|---|---|---|
| 1 day, or 7 hours per week | for the whole Session from September to April: | | | | $25 00 |
| 2 days, or 14 | " | " | " | " | 45 00 |
| 3 days, or 21 | " | " | " | " | 60 00 |
| 4 days, or 28 | " | " | " | " | 70 00 |

The fees must be paid to the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each Session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, on payment of a fine of $1.

Students are required to purchase their own chemicals, etc., except in the First Year. The larger pieces of chemical apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Fee for the Degree of MASTER OF ENGINEERING or MASTER OF APPLIED SCIENCE, $10.00.

If for any special reason the Degree of Ma.E., or M.A.Sc., be granted in absentiâ, the fee will be $25.00.

NOTE.—For Students of the Third and Fourth years, who entered previous to September, 1890, the fees will be $49.00 for each session in the courses of Civil and Mechanical Engineering, and $59.00 for each session in the courses of Mining Engineering and Practical Chemistry.

The graduation fee for such Students will be $12.50.

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## § VII. MEDALS, EXHIBITIONS, PRIZES, AND HONOURS.

1. The BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for the Session 1891-92 will be awarded to the Student in the Fourth Year who takes the highest standing in the Mining Engineering Course.

2. THE STANLEY SILVER MEDAL (the gift of His Excellency The Right Honourable Lord Stanley).

The Stanley Medal for the Session 1891-92 will be awarded to the Student in the Fourth year who takes the highest standing in the Mechanical Engineering Course.

The following Exhibitions and Prizes will be open for competition at the beginning of the session, Students being required to notify the Dean of their intention to compete, at least one week before the commencement of the examinations.

3. A British Association Exhibition of $50.00 to Students entering the Fourth Year, the subjects of examination being the Theory of Structures, Mathematics and Mathematical Physics of the Ordinary Course.

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4. A SCOTT EXHIBITION of $60.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

[*a*] Macaulay's History of England, Vol. I, cap. I ; Scott's Lady of the Lake. [*b*] Mathematics. [*c*] Mechanism.

5. A British Association Prize of $25 will be open for competition to Students entering the Second Year, the subjects of Examination being :—

(*a*) Macaulay's History of England, Vol. I, cap. I ; Shakespeare's Tempest. (*b*) Mathematics.

6. TWO PRIZES IN BOOKS, each of the value of $25, one presented by E. B. Greenshields, B.A., and one presented by W. E. Gower, for the two best Summer Reports or essays.

7. Two Prizes, each of $10, from the British Association Medal Fund, to Students entering the Third Year, for proficiency in Levelling or Transit Work.

8. A Prize of $20.00, from the British Association Medal Fund, to Students entering the Second Year, the subjects of examination being :—(*a*).—Inorganic Chemistry ; (*b*).—Elements of Organic Chemistry ; (*c*).—Practical Chemistry.

9. An Exhibition on the Thomas Workman endowment, being an exemption from fees, of the value of $88, to be offered for competition in the September Matriculation Examination of the First Year, to candidates intending to follow the Mechanical Engineering course. Application as to conditions must be made to the Dean on or before September 1st.

10. A Prize of $15.00, presented by A. T. Taylor, F.R.I.B.A., to be offered for competition in September, 1891, to Students matriculating into the First Year, for proficiency in Freehand and Model Drawing.

11. Prizes or certificates of merit are given to such Students as take the highest place in the Sessional and Degree Examinations.

12. HONOURS.—On graduation, Honours will be awarded for advanced work in Professional subjects.

13. Science Scholarships granted by Her Majesty's Commission for the Exhibition of 1851.—These Scholarships of £150 sterling a year in value are tenable for two, or, in rare instances, three years. They are limited, according to the Report of the Commission "to those branches of Science (such as Physics, Mechanics and Chemistry), the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable Students to continue the prosecution of science with the view of aiding in its advance, or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1891 has been placed by the Commission at the disposal of McGill University, and another may be granted in 1893.

It is open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

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## § VIII. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees (§ VI).

2. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

3. Students and Graduates in Arts will be admitted to such standing in the Faculty of Applied Science as their previous studies will warrant, but are recommended to take the drawing and shop-work during their Arts Course.

4. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they have previously attended as Students in Arts, but must pass all the examinations.

5. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental exam-

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ination is passed, Students will not be allowed to proceed to any subsequent examination in that subject.

6. Students of the Second, Third and Fourth Years may be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

7. Students who fail to obtain their Session, and who, in consequence, repeat the Year, will not be exempted from examination in any of those subjects in which they may have previously passed, except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

8. A Student may obtain a certificate of standing on payment of a fee of $2.00.

9. Certificates may be given to Students who have passed through any of the special courses attached to the curriculum.

10. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings, and acquire knowledge of the utmost importance in relation to the practical part of the profession.

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## § IX. COURSES OF LECTURES.

### CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor:—HENRY T. BOVEY, M.A., M.INST.C.E., F.R.S.C. (William Scott Professor of Civil Engineering and Applied Mechanics).

*Theory of Structures.* (For Laboratory Work, see § X).

The lectures on this subject embrace:—

(*a*) The analytical and graphical determination of the stresses in the several members of framed structures, both simple and complex, as, e.g., cranes, roof and bridge trusses, piers, etc.

(*b*) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(*c*) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy and entropy, together with a discussion of the nature and effect of the different kinds of stress, and the resistance offered by a material to deformation and to blows.

(*d*) The design and proper proportioning of beams, pillars, shafts, roofs and bridge trusses, arches, earth works and retaining walls.

*Hydraulics.* (For Laboratory Work, see § X).

The lectures deal with this subject both theoretically and with reference to its practical applications.

The Student is instructed in the fundamental laws governing the equilibrium of fluids, and in the laws of flow through orifices, mouthpieces, submerged (partially or wholly) openings, over weirs, through pipes in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power and efficiency of the several hydraulic motors, as e.g., Reaction Wheels, Pressure-engines, Vertical Water Wheels, Turbines, Pumps, etc.

## SURVEYING AND GEODESY.

Professor :—C. H. McLeod, Ma.E.

This course is designed to qualify the student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in Field Engineering, Practical Astronomy, and in the simpler operations of Geodetic Engineering. The instruction is given by lectures ; and by practice in the field, drawing-room, laboratory and observatory. The course of lectures is as follows :

Second Year.—Chain and angular surveying. The construction, adjustment and use of the various instruments. Contour surveying. Underground surveying. Topography. Ranging curves. Levelling and setting out work.

Third Year.—Railway locations. Geodesic levelling. Indirect and Barometric levelling. Hydrographic surveying. Introduction to Practical Astronomy.

Fourth Year.—Geodesy. Practical Astronomy.

Each Student in this course is required to take part in the following :

1. A chain survey 2. A contour survey based on 1. 3. Compass surveys with and without local attraction. 4. A plane-table survey. 5. The preliminary surveys and location of a line of road, the work being afterwards set out for construction. 6. The hydrographic survey of a channel in the St. Lawrence River. 7. A triangulation survey from one base, checking on a second base. 8. The precise measurement of two base lines. 9. Differences of level by spirit

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level, triangulation and barometer. 10. Determinations of latitude and the meridian. 11. Determinations of time by a portable astronomical transit, by sextant, and by the solar attachment. 12. Exercises on the comparison of clocks and chronometers. 13. Practice in the use of field magnetic instruments.

Students engaged in these surveys are expected to keep complete notes, and from them to prepare all plans and sections required. The necessary instruction in topography and mapping is given in the drawing room.

The large drawing rooms are fitted up with suitable mountings for the various instruments, in order to permit of their use and investigation during the winter months. The equipment of surveying and geodetic instruments includes:—

Six transits and transit-theodolites. Seven levels. Four sextants. Two plane tables. Three surveyor's and three prismatic compasses. Three current meters. A 300 foot steel tape arranged for basework. An Altazimuth. A Precision Level. A Zenith Telescope. Astronomical Transits. Break-circuit Chronometer. Chronographs. Heliotropes. Hand levels, chains, rods, tapes, barometers, pedometers, and other minor instruments.

The instruction in the Observatory and Geodetic Laboratory (see § X) will be given in the Fourth Year.

Examinations for Land Surveyors:—Any graduate in the Faculty of Applied Science, in the Department of Civil Engineering and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Special provisions will be made for Students who desire to pass the Examination for Dominion Topographical Surveyor.

## DESCRIPTIVE GEOMETRY.

Lecturer:—C. H. McLeod, Ma.E.

First Year.—Geometrical drawing, orthographic projections, including penetrations, developments, sections, etc. Isometric projection.

Second Year.—Problems on the straight line and plane. Projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Axometric projections. Shades and shadows. Mathematical perspective and the perspective of shades and shadows.

Third Year.—Graphical determination of spherical triangles. Spherical projections. Construction of maps.

## FREEHAND AND MODEL DRAWING.

Instructor :—ANDREW T. TAYLOR, F.R.I.B.A., R.C.A.

This course is designed to give Students facility in observation and in sketching objects both from the flat and from the round. Special instruction is given in sketching parts of machinery, structural work, etc.

## ELECTRICAL ENGINEERING.

Professor :—C. A. CARUS-WILSON, M.A., A.Inst. C.E., A.Inst. E.E.
(W. C. McDonald Professor of Electrical Engineering).

The theory, construction and calibration of instruments. Ammeters. Voltmeters. Galvanometers. Ampere balances. Electrostatic voltmeters. Watt meters. Alternate current voltmeters. Instruments for measuring self and mutual induction.

Magnetism. Strength of fields. Coefficients of self and mutual induction. Laws of Electro-magnetism and of Induction. Effects of stress and temperature. The construction and design of electro-magnets for special objects. Theory and use of the electro-magnet in the Dynamo.

Electrical mechanism. Regulators. Meters. Arc lamp mechanisms. Motor attachments.

Dynamos. Series, shunt and compound wound. Alternate current dynamos. Characteristics. General design and construction. Methods of winding. Different forms of armatures. Efficiency. Tests of dynamos and motors. Measurement of mechanical power absorbed.

The distribution of electricity. Lighting systems, arc and incandescent. Accumulators. Transformers. Electric traction.

## MECHANICAL ENGINEERING.

Professor :—(*To be appointed during the present summer*). (Thomas Workman Professor of Mechanical Engineering).

### *Kinematics of Machinery.*

Definition of a machine. Pairs. Kinematic chains. Triangles of velocity. Slider crank chain, and its derivatives. Direct acting engine. Oscillating engine. Quick return motions. Curves of piston position and velocity. Error due to obliquity. Angular velocities. Curves of velocity in slider crank chain. Lever crank chain and its derivatives. Drag Links. Antiparallel mechanism. Loci of points on moving links. Parallel motion. Peaucellier's link work. Double slider crank chain and its derivatives. Swinging cross block. Oldham's coupling. Elliptic chuck. Expansion of elements. Eccentrics. Instantaneous centre. Centrodes. Tension and Pressure Elements. Pulleys. Wheel and Axle. Differential Pulley. Belts. Rolling contact. Toothed gearing.

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*Dynamics of Machinery.*

Definition of Work. Resistance—oblique—variable. Energy. Power. Reversibility. Principle of work. Conservation of energy. Kinetic energy of moving parts of a machine.

Dynamics of the Steam Engine. Polar and linear curves of crank effort, for single and double cranks with uniform steam pressure. Equations to such curves for infinite and finite connecting rods. Mean crank effort. Fluctuation of energy. Fluctuation of speed. Flywheels. Correction of curves of crank effort for varying steam pressure. Inertia of reciprocating parts. Acceleration of piston. Effect of short connecting rod. Balancing of double-acting engines; pairs of single acting engines; locomotives; high speed engines. Cushioning by steam and air. Curves of stress in piston rod. Shocks. Reversals of stress.

Friction of sliding pairs, bearing and pivots. Efficiency of a Mechanism. Governors. Dynamometers.

## MINING AND METALLURGY.

Lecturer :—(*To be appointed during the present summer*).

The lectures on Mining are given during the Third Year, and among the subjects taken up the following may be mentioned :—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring; the Sinking, Timbering and Tubbing of Shafts; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous Deposits or of Coal Seams, etc.

Ore-dressing and Underground Surveying will also receive special attention. As yet there is no special mining laboratory in which practical operations in ore-dressing, etc., can be carried on, but it is hoped that this deficiency will be supplied in the near future.

In the Fourth Year a course of lectures on Metallurgy is given. The general properties of the metals and the nature of fuels, fire-clays, etc., are first discussed; and afterwards the more important metals and the methods of obtaining them from their ores by wet or dry process taken up in detail.

Students of the Fourth Year also devote considerable attention to the designing of mining machinery, furnaces, etc.

## PRACTICAL CHEMISTRY AND ASSAYING.

Professor :—B. J. HARRINGTON, B.A., PH.D. (Greenshields Professor of Chemistry and Mineralogy).

Assistant :—

This course includes lectures and laboratory work. In the First Year Students of all the Departments attend a course of lectures on the Laws of Chemical Com-

bination, Chemical Formulæ and Equations, the preparation and properties of the more important Elements and their Compounds, etc. They also devote one afternoon a week during the first term and two afternoons a week during the second term to practical work in the Laboratory, where they learn the construction and use of ordinary apparatus, perform a series of experiments designed to cultivate the powers of observation and deduction, and begin Qualitative Analysis.

In the Second and Third Years Students in the Chemistry Course attend lectures on the Chemistry of the Metals or on Organic Chemistry, and receive practical instruction in Qualitative and Quantitative Analysis, including gravimetric and volumetric methods and the application of electrolytic methods to the estimation of copper, nickel, etc. Blowpipe Analysis and Determinative Mineralogy also constitute part of the work of the Third Year.

In the Fourth Year special attention is devoted to such subjects as Mineral Analysis and Assaying, and the Analysis of Iron and Steel; but considerable latitude is allowed to Students in the choice of subjects, and organic work may, if desired, be taken up.

Students of the Mining Course take Qualitative and Quantitative Analysis during the Second and Third Years, and devote considerable attention in the Fourth Year to Mineral Analysis and Assaying of various ores, fuels, etc. They also attend the class in Blowpipe Analysis and Determinative Mineralogy in the Third Year.

The chemical laboratories (see § X) are open daily (Saturdays excepted), from 9 a.m. to 5 p.m.

## THERMODYNAMICS.

Lecturer:—C. A. Carus-Wilson, M.A.

Measurement of temperature. Calorimetry. Mechanical equivalent of Heat. Joule's experiments. Absolute temperature. Isothermal and adiabatic expansion. Carnot's Engine. Reversibility. Efficiency. Hot air engines. Theoretical and actual efficiency of steam engines and gas engines.

Latent heat—of water—of steam. Relation between temperature and pressure of steam. Regnault's experiments. Total heat of evaporation. Surface and jet condensers. Behaviour of steam in a cylinder. Ratio of expansion. Condensation. Action of steam jackets. Superheating. Construction of balance sheets of heat supplied to and rejected from a cylinder. Efficiency. Compound, triple, and quadruple expansion. Calculation of work done. Indicator diagrams. Boilers. Theory of explosions.

Design of engines. Calculation of dimensions of cylinders and valves. Zeuner's diagrams of valve motion. Expansion and other valves.



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## GEOLOGY AND MINERALOGY.

Professor :—Sir William Dawson, LL.D., F.R.S. (Logan Professor of Geology).

Professor :—B. J. Harrington, B.A., Ph.D., F.G.S.
Lecturer.—Frank D. Adams, M.A.Sc.

Second Year.—A preliminary Course in Zoology, with special reference to Fossil Animals.

Third Year.—Mineralogy (Ordinary and Honour), Petrography, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

Fourth Year.—Special Studies in Mineralogy and Petrography; Advanced Course in General Geology and Palæontology; Geology of Canada; Practical Geology and Field-work.

For further details see Announcement of the Faculty of Arts.

Note.—Students of the Mining and Chemistry courses take the Honour Mineralogy of the Third Year. Mining Students take the whole (Honour) course of the Fourth Year. Chemistry Students take, in addition to the ordinary course in Geology, only the Honour Mineralogy of the Fourth Year.

## BOTANY.

Professor :—D. P. Penhallow, B.Sc.

*Course.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

## EXPERIMENTAL PHYSICS.

Professor :—John Cox, M.A. (W. C. McDonald Professor of Experimental Physics.)

The instruction includes a fully illustrated course of Experimental Lectures on the general principles of Physics (embracing, in the Second Year,—*The Laws of Energy—Heat and Light;* in the Third Year—*Sound—Electricity and Magnetism*), accompanied by courses of practical work in the Laboratory in which the Students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements. Students of Electrical Engineering will be expected to continue their work in the Laboratory in the Fourth Year, when they will be prepared to undertake, under the guidance of the Professors, advanced measurements and special investigations bearing on their Technical Studies.

The Physical Laboratory, the munificent gift of Mr. W. C. McDonald, is now in course of erection from plans specially prepared after inspection of the principal Laboratories in England and the United States, and will be one of the most perfect buildings of its kind. It contains five storeys, each of 8,000 square feet area, and will be supplied with all the usual standard instruments as well as the apparatus required for lectures and the practical work of the Students. In planning its arrangement and equipment the special needs of original research, as well as the requirements of teaching, have been carefully considered.

## MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M.A.

The work in this department is conducted from the outset with special reference to the needs of Students of Applied Science. A large amount of time is given to practice in the use of Mathematical Tables, particular attention being paid to the solution of triangles, the tracing of curves, graphical representation of functions, reduction of observations, etc. Areas, volumes, masses, centres of gravity, moments of inertia, etc., are determined both by calculation and by observation or experiment, and each method is made to supplement or illustrate the other. In this connection use will be made, in actual laboratory practice, of a large amount of apparatus, such as Attwood's Machine, inclined planes, chronographs, rotation apparatus of various kinds, etc. The different methods of approximation, the reduction of results of experiments and observations by least squares, etc., will also receive due attention.

All Engineering Students will receive instruction in the following subjects :—

FIRST YEAR.—Euclid, six books, with exercises on Loci, Transversals, etc. Algebra, including the Binomial Theorem. Elements of Solid Geometry and of Geometrical Conic Sections. Plane and Spherical Trigonometry. Elementary Mechanics.

SECOND YEAR.—Analytic Geometry. Differential and Integral Calculus. Mechanics of Solids and Fluids.

THIRD AND FOURTH YEARS.—Continuation of Analytical Geometry, Calculus and Mechanics.

Classes will also be held for advanced (optional) work in these subjects and also in Practical and Spherical Astronomy.

Students in the Course of Practical Chemistry do not take the Analytic Geometry and Calculus.

*Text Books* (Partial list) : Todhunter's Euclid, Colenso's Algebra (Part 1), Hamblin Smith's Trigonometry, Wilson's Solid Geometry and Conic Sections, Wentworth's Analytic Geometry, Blaikie's Dynamics, Wright's Mechanics, Chauvenet's Practical and Spherical Astronomy.

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### ENGLISH LANGUAGE AND LITERATURE.

Professor:—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature.)

Lecturer:—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.
SECOND YEAR.—A special course on English Composition.
THIRD YEAR.—A special course on English Composition.

### FRENCH OR GERMAN.

*French.*—Professor.—P. J. DAREY, LL.D., B.C.L.
*German.*—Lecturer.—P. TOEWS, M.A.

Students of this Faculty are required to take the course in one of these languages provided by the Faculty of Arts.

### METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

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## § X. LABORATORIES, MUSEUMS, WORK-SHOPS, DRAWING-ROOMS AND OBSERVATORY.

### LABORATORIES.

In the Laboratories the Student will be instructed in the art of conducting experiments, a sound knowledge of which is daily becoming of increasing importance in professional work.

TESTING LABORATORIES.—The principal experiments carried out in these will relate to the elasticity and strength of materials, friction, the theory of structure, the accuracy of springs, gauges, dynamometer, etc., the efficiency of shafting, gearing, etc. The equipment will include a 100-ton Wicksteed and a 75-ton Emery machine for testing the tensile, compressive and transverse strength of materials. For the former, an addition has been specially designed, by means of which the transverse strength of timbers up to 25 feet in length can be determined. The Emery machine is constructed and gra-

duated with such accuracy as to render possible delicate experiments on elasticity. The Laboratories are also provided with an autographic torsion machine for testing the torsional strength of materials, machines for determining the effect of repeated stresses, oil testers, steam extensometers, etc., and a very complete supply of gauges, micrometers, and other apparatus for exact measurements.

Laboratory of Mechanics.—This Laboratory is fully equipped with a variety of apparatus, such as chronographs for measuring small intervals of time, pendulums for determining the acceleration of gravity and other dynamical constants, machines (Attwood's and Morin's) for deducing the laws of falling bodies, etc. Frequent practical questions are given to test the thorough character of the Student's mathematical knowledge.

Cement Testing Laboratory.—The importance of tests of the strength of mortars and cements is very great, and the equipment of the Laboratory for the purpose is on a complete plan, including a one-ton dead weight tester, a one-ton spring tester (Faija), steaming apparatus, special weighing hopper, spring balance, gun metal moulds, etc. The Laboratory is also fitted with cisterns in which the briquettes may be submerged for any required time.

Hydraulic Laboratories.—Here the Student will study practically the flow of water through orifices of various forms and sizes, submerged openings, over weirs, through pipes, mouth-pieces, etc. For this purpose there are suitably designed tanks, the largest having a height of 30 feet and a section of 25 square feet, pressure gauges of different kinds, and other apparatus. The Students will also themselves carry out tests upon hydraulic motors, *e.g.*, upon the different classes of turbines, pumps, the Knight and other wheels, etc. The facilities for conducting such experiments are unusually great, as from the city water supply there is an available head of over 200 feet.

Thermodynamic Laboratories.—The Thermodynamic Laboratory is furnished with an experimental steam engine of 80 I.H.P., specially designed for the investigation of the behaviour of steam under all possible conditions; there are four cylinders, which can be connected so as to allow of single, compound, triple or quadruple expansion, condensing or non-condensing, with or without jackets.

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The measurements of heat are made by large tanks, which receive the condensing water and the condensed steam. There are two hydraulic absorption brakes for measuring the mechanical power developed, and an alternative friction brake for the same purpose. The Laboratory is further equipped with a variety of apparatus for the investigation and illustration of the general principles of thermodynamics, including hot air and other engines, indicators, pyrometers, pressure gauges, etc.

ELECTRICAL LABORATORIES.—The equipment of the Electrical Engineering Laboratory includes a high speed steam engine coupled direct to a dynamo for incandescent lighting; a slow speed steam engine for driving the experimental dynamos. These latter have been chosen to represent the best types now in general use, both of high tension and low tension direct current dynamos—with various methods of winding, and also of alternating current dynamos of low tension, and of high tension for use with transformers.

Arrangements have been made for measuring mechanical power supplied to the dynamos and given out by the electro-motors, of which there are several types; these arrangements comprise various forms of belt, rope and transmission dynamometers, with a very perfect form of hydraulic absorption dynamometer, with which the accuracy of the others can be checked by readings in absolute measure; the well-known form of cradle dynamometer, for dynamo testing, finds a place here, and special facilities are provided for varying the speed of the dynamos within any required limits.

The instruments for making the electrical measurements have been selected with much care; these instruments will enable measurements of current resistance and difference of potential to be made with great accuracy, not only in the detached laboratories but in the dynamo-room when the machinery is running; in separate rooms there are standard instruments of extreme precision with which the correctness of the working instruments can be readily checked. These include, amongst others, two of Sir William Thomson's electric balances. There are also a variety of instruments for special purposes connected with electrical measurements, such as instruments for determining coefficients of self and mutual induction, etc.

GEODETIC LABORATORY.—In this Laboratory will be placed a Rogers' comparator for the investigation of standards of length, and linear and angular dividing engines for the graduation and investigation of standards of length and of angular instruments. The Laboratory will also contain absolute standards of length up to one hundred feet for standardizing chains, tapes, rods, etc., pendulums and other apparatus for the determination of gravity, etc.

CHEMICAL LABORATORIES.—The Chemical Laboratories are three in number, one for Students of the First Year, one for Students of the Second and Third Years, in which it has been found necessary to carry on both qualitative and quantitative work, and one which is reserved for Students of the Fourth Year and for special Students who may wish to carry on original investigations. The fittings of this last room were the gift of Mr. W. C. McDonald, and are quite equal to those found in the best laboratories abroad. Besides the above there is also a special room in the basement which is fitted up for fire assaying.

The Laboratories are supplied with four balances by Becker & Sons, one Bunge and a bullion-balance by Trœmner. There are also a Laurent polariscope, a spectroscope by Dubosque, gas combustion and melting furnaces, apparatus for electrolytic work, etc., etc. Distilled water is obtained by means of a special boiler placed in the basement, which also supplies the steam for drying ovens, steam-baths and drying chamber in the upper Laboratories.

## MUSEUMS.

The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application. Students will also have the use of a Technical Museum, occupying the whole of the third story of the McDonald Building. Amongst other apparatus the Museum will contain the Reuleaux collection of kinematic models, presented by W. C. McDonald, Esq., and pronounced by Professor Reuleaux to be the finest and most complete collection in America.

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## WORKSHOPS.

The workshops erected on the Thomas Workman Endowment are now completed, and have a floor area of more than 25,000 sq. ft.

The practical instruction in the workshops is solely designed to give the Student some knowledge of the nature of the materials of construction, to familiarize him with the more important hand and machine tools, and to give him some manual skill in the use of the same. For this purpose, the Student, during a specified number of hours per week, will work in the shops under the direct superintendence of the Professor of Mechanical Engineering, aided by skilled mechanics. The courses commence with graded exercises and gradually lead up to the making of joints, members of structures, frames, etc., finally concluding in the iron-working department with the manufacture of tools, parts of machines, and, if possible, with the building of complete machines.

The equipment includes the following:—

In the Carpenter, Wood-Turning and Pattern Making Departments.—Carpenters' and pattern makers' benches, wood-lathes, a large pattern-maker's lathe, circular-saw benches, jig and band saws, buzz planer, wood-borer, etc.

In the Machine Shop.—The most improved engine lathes, a 36-in. modern upright drill, with compound table, universal milling machine, with vertical milling attachment, hand lathes, planer, universal grinding machine, universal cutter and reamer grinder, a 16-in. patent shaper, vise-benches, etc.

In the Forge Shop.—Forges, vises, hand-drill, and a 1 cwt. gas hammer.

In the Foundry.—A cupola for melting iron, brass furnace, moulders' benches, etc.

The whole of the machinery in the shops is driven by a 50 I. H. P. compound engine.

## DRAWING ROOMS.

The drawing classes will be held in the lofty room occupying the whole of the fourth floor, which is lighted from the roof, and has a floor area of nearly 9000 sq. ft.

The instruction embraces Freehand and Model Drawing, Descriptive Geometry and Topographical Drawing, the preparation of Drawings of Parts of Machines and others structures, and finally concludes with complete machine or structural designs carried out under the direct supervision of the several Professors.

## OBSERVATORY.

The instruction in Practical Astronomy will include determinations of time, latitude and longitude.

Latitude, by the zenith-telescope and prime vertical methods. Longitude, by telegraphic method and by lunar culminations and distances.

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## FACULTY OF APPLIED SCIENCE—TIME TABLE.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| First Year. | 9 | Drawing. | Drawing. | Mathematics. | Mathematics. | Mathematics. | Shopwork. |
| | 10 | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Do |
| | 11 | English. | French. | French. | French. | English. | Do |
| | 12 | Chemistry. | German. | English. | German. | Chemistry. | Do |
| | 2 to 5 | Geom. Drawing. | Geom. Drawing (*a*).<br>Pract. Chemistry, (*b*) | Shopwork. | Freehand Drawing. | Pract. Chemistry. | |
| Second Year. | 9 | Mathematics. | Mathematics. | French. | Mathematics. | French. | Shopwork, 1, 2, 3, 4. |
| | 10 | Physical Laboratory. | German. | Mathematics. | Mechanism, 2, 3.<br>Surveying, 1, 4.<br>Chemistry, 5. | German. | Do |
| | 11 | Do | Zoology, 1, 4. | Mathematics.<br>Botany, 5. | Zoology, 1, 4. | Mathematics. | Do |
| | 12 | Do<br>Botany, 5. | Exp. Physics. | Mechanism, 2, 3.<br>Surveying, 1, 4. | Exp. Physics. | English. | Do |
| | 2 to 5 | Mapping, 1.<br>Mechl. Drawing, 2, 3.<br>*Chemistry, 4, 5. | Surveying (1 hr.), 1, 4.<br>Desc. Geom., 1, 2, 3, 4, 5. | Shopwork, 1, 2, 3,<br>* Chemistry, 4, 5. | Mapping. 1, 4.<br>Mechl. Drawing, 2, 3.<br>* Chemistry, 5. | Phys. Lab., 1, 2, 3, 5. | |

* The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturdays excepted) from 9 a.m. to 5 p.m.
Field work during September and October, 2 to 5 p.m. For 2nd Year *Civil*, on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. For *Mining*, on Mondays, Tuesdays, Thursday and Fridays. For 3rd Year *Civil*, on Mondays, Wednesdays, Thursdays and Fridays. For 4th year *Civil*, on Saturday mornings and two first clear evenings each week, 7 to 9.

*a*, *b*, 1, 2, 3, 4, 5. See bottom of next page.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| THIRD YEAR. | 9 | Exp. Physics. | Surveying, 1.<br>Phys. Lab., 3.<br>Mineralogy, 4, 5. (*b*) | Desc. Geom., 1.<br>Shopwork, 2, 3. | Exp. Physics. | Surveying, 1.<br>Mineralogy, 4, 5. | Testing La b |
| | 10 | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Phys. Lab., 2. | Desc. Geom., 1.<br>Shopwork, 2, 3.<br>Mining, 4. | Mechanism, 1, 4.<br>Chemistry, 5. | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Do |
| | 11 | Mathematics. | Ap. Mech., 1, 3, 4.<br>Phys. Lab., 2.<br>Zoology, 5. | Desc. Geom., 1.<br>Shopwork, 2, 3. | Mathematics.<br>Zoology, 5. | Ap. Mech., 1, 3, 4.<br>Phys. Lab., 2. | Do |
| | 12 | Surveying, 1.<br>Mining, 4. | Ap. Mech., 1, 3, 4.<br>Phys. Lab. 2. | Shopwork, 2, 3.<br>Mechanism, 1, 4. | Mathematics. | Ap. Mech., 1.<br>Phys. Lab., 2.<br>Mining, 4. | |
| | 2 to 5 | Mapping, 1.<br>Shopwork, 2, 3.<br>Chemistry, 4, 5. | Drawing, 1, 2, 3, 4.<br>Chemistry, 5. | Phys. Lab., 1, 2, 3, 5<br>Chemistry, 4, 5. | Mapping, 1.<br>Drawing, 2,3.<br>Detr. Mineralogy, 4, 5. | Testing Lab., 1.<br>Phys. Lab., 2, 4.<br>Thermo. Lab., 3.<br>Chemistry, 5. | |
| FOURTH YEAR. | 9 | Geodesy. | Elect. Lab., 2.<br>Mechl. Lab., 3. | Hydraulic Lab., 1, 3, 4 (*a*)<br>Elect. Lab., 2.<br>Geology, 5. | Thermodynamics. | Phys. Lab., 2.<br>Thermo. Lab., 3. | Shopwork, 2, 3. |
| | 10 | Hydraulics, 1, 3, 4.<br>Elect. Eng'ng., 2. | Do<br>Metallurgy. 4. | Hydraulic Lab.,<br>1, 3, 4 (*a*).<br>Elect. Lab , 2. | Hydraulics, 1, 3, 4.<br>Elect. Eng'ng., 2.<br>Metallurgy, 4 | Geodesy, 1.<br>Phys. Lab., 2.<br>Thermo. Lab., 3. | Do |
| | 11 | Mathematics, 1, 2, 3.<br>Geology, 4. | Ap. Mech., 1.<br>Elect. Lab., 2.<br>Mechl. Lab., 3. | Do | Mathematics. | Ap. Mech., 1.<br>Phys. Lab., 2.<br>Thermo. Lab., 3.<br>Geology, 4. | Do |
| | 12 | | Do | Elect. Lab., 2.<br>Mineralogy, 4, 5. | Do | Ap. Mech., 1.<br>Phys. Lab , 2.<br>Thermo. Lab., 3. | Do |
| | 2 to 5 | Shopwork, 1.<br>Designing, 2, 3.<br>Assaying, 4.<br>Chemistry, 5. | Designing, 1, 4.<br>Elect. Lab., 2.<br>Mechl. Lab., 3.<br>Chemistry, 5. | Designing, 1, 3.<br>Elect. Lab , 2.<br>Assaying, 4.<br>Chemistry, 5. | Testing Lab., 1.<br>Phys. Lab., 2.<br>Designing, 3.<br>Assaying, 4.<br>Chemistry, 5. | Phys. Lab., 2.<br>Thermo. Lab., 1, 3.<br>Chemistry, 5. | |

(*a*) First Term. (*b*) Second Term.

1. Civil Engineering Course. 2. Electrical Engineering Course. 3. Mechanical Engineering Course. 4. Mining Engineering Course. 5. Practical Chemistry Course



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## § XI. SYNOPSIS OF SUBJECTS AND TIME TABLE.

SUBJECTS OF INSTRUCTION, AND HOURS PER WEEK DEVOTED TO EACH SUBJECT.

| | | Civil Engineering. | Electrical Engineering. | Mechanical Engineering. | Mining Engineering. | Practical Chemistry. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | Chemistry | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 |
| | English | 3 | 3 | 3 | 3 | 3 |
| | French or German | 3 | 3 | 3 | 3 | 3 |
| | Mathematics | 8 | 8 | 8 | 8 | 8 |
| | Freehand Drawing | 3 | 3 | 3 | 3 | 3 |
| | Geometrical Drawing | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 |
| | Shopwork | 7 | 7 | 7 | 7 | 7 |
| SECOND YEAR. | Botany | — | — | — | — | 2 |
| | Chemistry | — | — | — | 7 | 14 |
| | English | 1 | 1 | 1 | 1 | 1 |
| | French or German | 2 | 2 | 2 | 2 | 2 |
| | Mathematics | 6 | 6 | 6 | 6 | 2 |
| | Mechanism | — | 2 | 2 | — | — |
| | Physics | 2 | 2 | 2 | 2 | 2 |
| | Surveying | 3 | — | — | 3 | — |
| | Zoology * | 3 | — | — | 3 | — |
| | Drawing | 8 | 8 | 8 | 6 | — |
| | Physical Laboratory | 6 | 6 | 6 | 3 | 5 |
| | Shopwork | 3 | 6 | 6 | 3 | — |
| THIRD YEAR. | Chemistry | — | — | — | 6 | 16 |
| | Determinative Mineralogy | — | — | — | 3 | 3 |
| | Dynamics of Machinery | — | 2 | 2 | — | — |
| | Geology and Mineralogy * * | 2 | — | — | 4 | 4 |
| | German | — | — | — | — | 2 |
| | Mathematics | 3 | 3 | 3 | 3 | — |
| | Mechanism | 2 | — | — | 2 | — |
| | Mining | — | — | — | 3 | — |
| | Physics | 2 | 2 | 2 | 2 | 2 |
| | Surveying | 3 | — | — | — | — |
| | Theory of Structures | 4 | — | 3 | 3 | — |
| | Zoology * | — | — | — | — | 3 |
| | Applied Mechanics Laboratory | 6 | 3 | 3 | — | — |
| | Drawing | 9 | 6 | 6 | 3 | — |
| | Physical Laboratory | 3 | 9 | 3 | 3 | 3 |
| | Shopwork | — | 6 | 6 | — | — |
| FOURTH YEAR. | Assaying | — | — | — | 9 | — |
| | Chemistry | — | — | — | — | 24 |
| | Electrical Engineering | — | 2 | — | — | — |
| | Geodesy | 2 | — | — | — | — |
| | Geology and Mineralogy * * | — | — | — | 3 to 6 | 3 |
| | Hydraulics | 2 | — | 2 | 2 | — |
| | Mathematics | 3 | 3 | 3 | 2 | — |
| | Metallurgy | — | — | — | 2 | — |
| | Theory of Structures | 4 | — | — | — | — |
| | Thermodynamics | 1 | 1 | 1 | — | — |
| | Applied Mechanics Laboratory | 6 | — | 3 | 3 (a) | — |
| | Drawing (Designing) | 6 | 3 | 9 | — | — |
| | Electrical Laboratory | — | 14 | — | 0 | — |
| | Mechanical Laboratory | — | — | 6 | — | — |
| | Museum Work | — | — | — | 6 | — |
| | Physical Laboratory | Opt. | 8 | Opt. | Opt. | Opt. |
| | Shopwork | 3 | 4 | 4 | — | — |
| | Thermodynamic Laboratory | 3 | — | 6 | — | — |

(a) First term.

* Besides study in the Museum.

* * Also Saturday excursions, and Museum and Petrographical work.

# Faculty of Medicine.

THE PRINCIPAL (*ex-officio*).

*Professors:*

| | | |
|---|---|---|
| WRIGHT, | ROSS, | WILKINS, |
| MACCALLUM, | RODDICK, | PENHALLOW, |
| CRAIK, | GARDNER, | MACDONNELL, |
| FENWICK, | SHEPHERD, | MILLS, |
| GIRDWOOD, | BULLER, | CAMERON, |
| | STEWART. | |

*Dean.*—R. CRAIK, M.D.
*Vice-Dean.*—GEORGE ROSS, M.D.
*Registrar.*—J. STEWART, M.D.
*Librarian.*—F. J. SHEPHERD, M.D.

The Fifty-Ninth Session of this Faculty will be opened on Thursday, October 1st, 1891, by an introductory lecture at 3 p m. The regular lectures will begin on October 2nd, at the hours specified in the time table, and will be continued for six months.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfilment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased.

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The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the Students, no reasonable expense has been spared.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments,—kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions. and the chief constituents of the tissues and nutritive fluids. The Laboratory is arranged in such a way as to permit of Students assisting at and taking part in these demonstrations. During the past session important additions have been made to the Physiological Laboratory.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. From the large number of microscopes employed, Students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge.

The Student is required to pay only for apparatus broken or destroyed.

In the Pathological Laboratory accommodation will be provided for Students or practitioners who desire to carry on private pathological research.

The recent additions made to the Laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose, including sterilizer, thermostat, etc., etc.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britian and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemption in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.

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## I. MATRICULATION.

It is very important that intending Students should note the following facts and regulations :—

1. If residents of Ontario, and desirous of obtaining the license of that Province, they must conform to the regulations regarding the Preliminary Examination, and register before beginning their medical studies.

2. If residents of the Province of Quebec, and desirous of obtaining the license of that Province, they must pass the Matriculation Examination of the Quebec Medical Board before beginning their medical studies.

In the event of a resident in the Province of Quebec producing a Certificate of Matriculation from any of the other Provinces of the Dominion, he will be required to make a declaration that he had

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not obtained it with the object of avoiding the examination of the Quebec Medical Board.

3. Residents of the Maritime Provinces, Manitoba or British Columbia may either pass the Preliminary Examination of their respective Medical Boards or the Matriculation Examination of this University.

(A).—UNIVERSITY MATRICULATION EXAMINATION.

The Preliminary Examination in General Education of the following Bodies is accepted by the University in lieu of its own Matriculation Examination :—

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

Graduates and Matriculates in Arts of all recognized Universities are exempt from examination. Any Student who is unable to present proof of having passed any one of the above, or other equally satisfactory examinations, will be required to undergo the matriculation examination, either in Arts or Medicine, of this University. These examinations are as follows :—

(1) *The Matriculation Examination in Arts* is held twice yearly on the 1st of June and following days, and on the 14th of September and following days.

Papers for the June examination can be sent to local centres on application to the secretary of the University. The September examinations are held in Montreal only.

The subjects for examination are Classics, Mathematics and English.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall., Book I. ; and Virgil, Æneid, Book I., lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic, including the Metric System ; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III. (In June, 1892, to Quadratics inclusive.)

*English.*—Writing from Dictation. A paper on English Grammar, *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

An equivalent amount of other books or other authors in Latin or Greek than those named may be accepted in the September examination, on application through the Professor of Classics.

(2) *The Medical Matriculation Examination* is the same as that required by the Medical Council of Great Britain.

This Examination will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Application may be made to Dr. Howe, the examiner, till the evening of the previous day. The requirements of the standard for Matriculation are:—(1) English Language, including Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original, and Grammar. (5) Elements of Mathematics, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions; (*b*) Algebra, including simple Equations; (*c*) Geometry, including the first two books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects:—(*a*) Greek, (*b* French, (*c*) German, (*d*) Italian, (*e*) any other modern language, (*f*) Logic, (*g*) Botany, (*h*) Elementary Chemistry.

TEXT-BOOKS.—Latin, Cicero, in Catilinam I.; or Virgil, Æneid, Bk. I.

GREEK.—Xenophon, Anabasis, Bk. I., or Homer's Iliad, Bk. IV.

FRENCH.—Voltaire's Charles XII., I., and II. Books.

NATURAL PHILOSOPHY.—Ganot's Physics, Books I, II and III.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliot's Manual.

### (B).—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF QUEBEC.

Graduates in Arts of any British or Canadian University are exempted from this examination on presentation of their Diplomas.

LATIN.—Cæsar's Commentaries, Bks. I., II., III., IV.—Virgil's Æneid, Bks. I. and II.—The Odes of Horace, Bk. III.

ENGLISH.—A play of Shakespeare, viz., "Henry IV.," Part I., for 1891; "Henry IV.," Pt. II., for 1892.

FRENCH.—Fénélon's "Aventures de Télé maque," Molière, Le Bourgeois Gentilhomme, and La Fontaine, Fables, Books I., II. and III.—Translations into French of easy English extracts.

BELLES LETTRES AND RHETORIC.—Principles of the subject. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, the 17th and 18th centuries of England and France.



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HISTORY.—Outlines of the History of Greece and Rome, with particular knowledge of England, France and Canada.

GEOGRAPHY.—A general view, with particular knowledge of England, France and North America.

ARITHMETIC. Must include Vulgar and Decimal Fractions, Simple and Compound Proportions, Interest and Percentages, and Square Root.

ALGEBRA.—Must include Fractions and Simultaneous Equations of the First Degree.

GEOMETRY.—Euclid, Books I., II., III., IV. and VI., or the portion of Plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes of regular geometrical figures.

*Optional Subjects.*

GREEK.—Xenophon's Anabasis, Book I.—Homer's Iliad, Book I., with Greek Grammar.

PHYSICS.—Outlines of the subject, as in Ganot's Physics, translated by Atkinson.

PHILOSOPHY.—Elements of Logic and of Moral Philosophy, as in Jevon's Logic and Calderwood's Handbook of Moral Philosophy.

The Examinations will be held in September, 1891, at Quebec, and in May, 1892, at Montreal. Applications to be made to Dr. F. W. Campbell, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text-books and percentage of marks to be obtained.

Examination Fee, ten dollars. Should the candidate be unsuccessful, one half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

(c).—MATRICULATION EXAMINATION OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF ONTARIO.

Every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the 2nd class Teachers' examination, with Latin option; whereupon he shall be entitled to be so registered, upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts, or Students having matriculated in Arts in any University in Her Majesty's Dominions, are not required to pass the Matriculation Examination, but may register their names with the Registrar of the College, upon giving

satisfactory evidence of their qualifications, and upon paying the fee of twenty dollars.

## § II.—ENREGISTRATION.

*The following are the University Regulations :—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance at the time of enregistration.

## § III.—COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory, a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

Inorganic Chemistry is fully treated ; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to the members of the class, to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

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## PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

LECTURER, R. F. RUTTAN.

The course in Practical Chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, etc., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily, and criticized.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology : its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

*Laboratory work for Senior Students* :—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc. There will be no extra fee for this part of the course.

## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, JAMES STEWART.

The course on this subject comprises :—

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital, on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the out-door clinics. Electro Therapeutics will also be dealt with in this part of the course.

III. The attendance during the summer session of a course on Practical Materia Medica.

## MEDICINE.

PROFESSOR, GEORGE ROSS.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general* laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

## CLINICAL MEDICINE.

PROFESSOR, R. L. MACDONNELL.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with the 3rd year Students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and every pupil is required to take part in the physical examination of patients. The mode of conducting investigations, the use of the microscope, the value of the thermometer and ophthalmoscope, etc., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

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## SURGERY.

PROFESSOR, THOMAS G. RODDICK.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist, and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

## CLINICAL SURGERY.

PROFESSOR RODDICK.

LECTURER, JAMES BELL.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticized, and fresh cases are examined by the Senior Students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, etc. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

The course will embrace : 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc. 2. Bedside instruction in the Montreal Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

Particular attention is given to clinical instruction, and a clinical examination in Midwifery, similar to that held in Medicine and Surgery, now forms part of the final examination.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

Particular attention is given to clinical instruction, and a clinical examination in Gynæcology, similar to that held in Medicine and Surgery, now forms part of the final examination.

## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for shewing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning, and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

## OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on disease of the Eye and the Ear, both Didactic and Clinical. In the former, the general principles of diagnosis and treatment will be dealt with; in the latter, cases illustrative of the typical form of ordinary diseases of these organs will be exhibited and explained to the class, and afterward

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placed under the special care of gentlemen who may show themselves competent to take charge of them. A course of Operations on the cadaver will be open to such Students as may wish to avail themselves of the same.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, etc., Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.*

## BOTANY. †

PROFESSOR, D. P. PENHALLOW.

The purpose of this course is to give Students a good grounding in the principles of General Morphology, and advance their knowledge of the comparative physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation.

It comprises:—

1. A course of lectures on general Morphology and Classification, Histology and Physiology. The lectures are illustrated by means of the microscope and by the models and large collections in the Peter Redpath Museum.

2. Practical work in the determination and classification of Species, for which the Botanic Gardens of the University offer special facilities.

3. Studies in Canadian Botany. This work is prosecuted by means of field excursions, which are held as often as opportunity is afforded during autumn months.

4. A special collection of Medicinal plants, now being formed at the Botanic Gardens, offers a valuable preparation to the course in Pharmacology.

## ZOOLOGY. †

PROFESSOR, SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples, and by the collections in the Peter Redpath Museum.

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* Students may attend the Lectures on Sanitation in the Faculty of Applied Science,—Fee $6.

† Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year either Botany or Zoology, subject, however, to the provisions of the law in the Province in which they intend to practice medicine. Students desirous to take both subjects in one year must apply to the Faculty for permission.

It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional feee. Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

### PATHOLOGY.

*This course comprises :—*

1. Twenty-five lectures on General Pathology to Students of the third year.

2. Weekly Pathological Demonstrations to Students of the third year. The gross and miscroscopic appearances of specimens collected during the week are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post mortems are performed by the Students in rota ion under his direction, and Systematic demonstrations of post-mortem methods, including those to be followed in Medico-Legal cases, will also be given.

### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins. It is intended especially for teaching the *technique* of Miscroscopy. Students will be shown how to examine blood, etc., also to cut, stain and mount specimens. Everything except over-glasses and cabinet cases provided. Fee $8.00.

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## § IV.—QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine :—

1st. No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures for a period of at least four six months' sessions and one three months' summer session* in this University, or some other University, College or School of Medicine approved of by this University.

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*To be taken after 3rd Winter Session.

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2nd. Candidates for final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz. :—

*Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.*

| | |
|---|---|
| Anatomy. | Of which two courses will be required of six months' duration. |
| Practical Anatomy. | |
| Physiology. | |
| Chemistry. | |
| Materia Medica and Therapeutics. | |
| Principles and Practice of Surgery. | |
| Midwifery and Diseases of Women and Children. | |
| Theory and Practice of Medicine. | |
| Clinical Medicine. | |
| Clinical Surgery. | |
| Medical Jurisprudence. | Of which One Course of Six Months, or two Courses of Three Months, will be required. |
| Practical Chemistry. | Of which One Course will be required of Three Months' duration. |
| Botany or Zoology. | |
| Hygiene. | |
| Histology. | Ten Lectures and Twenty-five Demonstrations. |
| General Pathology. | Twenty-five Lectures. |

3rd. The Candidate must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months.

4th. He must also give proof of having assisted at six autopsies.

5th. He must also give proof by ticket of having attended for at least six months the practice of the Montreal Maternity or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

6th. No one will be permitted to become a candidate for examination who shall not have attended at least one Session of this University, and one full course of all the branches included in its curriculum.

7th. Courses of less length than the above will only be received for the time over which they have extended.

8th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology, and Botany in their first session, and are advised to take Physiology in addition.

9th. Candidates who fail to present themselves for to pass in any of the subjects of the first two years will be granted a supplemental examination at the beginning of the following session.

10th. Supplementary examinations will not be granted except by special permission of the Faculty, and on written application stating reasons, and accompanied by a fee of $2 for each class.

11th. No Candidate will be permitted to proceed with the work of the final year, until he has passed all the subjects comprised in the Primary Examination.

12th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

13th. The requirements for the summer session, when as at present taken after the third winter session, shall be:—

(*a*) Daily Hospital attendance;

(*b*) Maternity attendance; and

(*c*) Any two weekly clinics, in addition to the clinics in General Medicine and Surgery.

14th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate:—

MONTREAL,—— 18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise) that I shall have attained the age of twenty-one years before the next graduation day, and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed, A. B.

15th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

16th. The following Oath or Affirmation will be exacted from the Candidate before receiving his degree:—

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A——B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo;—me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum; tum porro artem medicam caute, caste, et probe exercitaturum; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

17th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful Candidate immediately after examination.

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## § V.—EXAMINATIONS.

Weekly examinations are held, to test the progress of the Student; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows:—

### First Year.

*Pass Examination* in Botany, Histology and Veterinary Anatomy.

*Sessional Examination* in Anatomy, Chemistry, and Physiology.

A due proportion of marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Second Year.

*Pass Examination* in Anatomy, Chemistry, Practical Chemistry, Physiology and Histology.

*Sessional Examination* in Pharmacology and Therapeutics.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Third Year.

*Pass Examination* in Pharmacology and Therapeutics, Medical Jurisprudence, Hygiene* and General Pathology.

### Fourth Year.

*Pass Examination* in Medicine, Surgery, Obstetrics, Gynæcology, Clinical Medicine, Clinical Surgery and Clinical Obstetrics, Clinical Gynæcology, Practical Pathology.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

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* The examinations in Hygiene are held at the close of the summer session.

## § VI.—MEDAL AND PRIZES.

1st. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medallist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany and Zoology.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, books to the value of $25.00.

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## § VII.—FEES.

The total collegiate fees for all Students entering on and after the first of October, 1890, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer sessions, and if the Student elects to attend the two other summer sessions of his course, he can do so without further payment. (For Fees of graduation, see § IV, clause 16, supra.)

*All fees are payable in advance to the Registrar, and, except by permission of the Faculty, will not be received later than 1st November.*

*It is suggested to parents or guardians of Students that the fees be transmitted direct by cheque or P. O. Order, to the Registrar, who will furnish official receipts.*

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## § VIII.—TEXT BOOKS.

*(Prices current in Montreal.)*

ANATOMY.—Gray, Wilson, Quain (Eng. ed.).
PRACTICAL ANATOMY.—Heath's Dissector, Holden's Dissector, and Landmark's Ellis' Demonstrations.
PHYSICS.—Balfour, Stewart.
INORGANIC CHEMISTRY.—Millar, Wurtz's Elementary Chemistry.
ORGANIC CHEMISTRY.—Armstrong.
PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.
PHARMACOLOGY and THERAPEUTICS.—Wood, Lauder Brunton, Bruce.
PHYSIOLOGY.—Huxley's *Elementary Lessons*, Foster, Prof. Mill's Text-Book of Physiology and Outlines of Lectures.
PATHOLOGY.—Delafield and Prudden.
HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology.
SURGERY.—Holme's Surgery (Eng. ed.), Erichsen, Druitt, Bryant, Treves.
PRACTICE OF MEDICINE.—Flint, Roberts, Bristowe, DaCosta, Fagge, Quain's Dictionary.
FOR REFERENCE.—Pepper's System of Medicine.
CLINICAL MEDICINE.—Finlayson's Clinical Manual, Fenwick on Medical Diagnosis, Warner on Medical Case Taking.
MEDICAL JURISPRUDENCE.—Husband, Guy and Ferrier, Reese.
MIDWIFERY.—Lusk, Galabin.
DISEASES OF CHILDREN.—Smith, Goodhart and Starr.
GYNÆCOLOGY.—Edis, Goodell's Lessons, Hart and Barbour's Manual, Thornburn Skene.
HYGIENE.—Parks, Wilson (Eng. ed.).
BOTANY.—Gray's Text-Book of Histology and Physiology.
ZOOLOGY.—Sir William Dawson's Handbook of Canadian Zoology.

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## § IX.—MUSEUM.

For the past fifty years the rich Pathological material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare condition as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax, illustrating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, fœtal circulation, etc., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, etc.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition to the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently obtained:—

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals, prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts, taken from the celebrated frozen sections of Professors His and Braune of Leipzig. These preparations have been placed in the Museum, so that they can be constantly consulted by the Students.

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(4) (*a*) A complete set of Steger's brain sections ;

(*b*) Set of hardened brains with the various lobes, convolutions, ganglia, etc., in different colors ;

(*c*) Models of the cerebro-spinal and sympathetic nervous systems.

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## § X.—LIBRARY.

The Library of the Medical Faculty now comprises upwards of thirteen thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of $5, which is refunded on returning the volumes.

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## § XI.—McGILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

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## § XII.—COST OF LIVING, &c.

This will, of course, vary with the taste and habits of the Student but the necessary expenses need not exceed those in smaller towns Good board may be obtained from $15 to $20 per month. A list of boarding houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical college.

## § XIII.—HOSPITALS.

### *Montreal General Hospital.*

The Montreal General Hospital is the most extensive clinical field in the Dominion. A much larger number of in-door and out-door patients receive treatment there than in any other Canadian Hospital. Last year's report shows that 2,565 Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23.6 days.

The large number of out-door patients that are treated in the Hospital—upwards of 30,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments, which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every Student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations, and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department: one for diseases of children and the other for diseases of the nervous system.



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CLINICAL CLERKS in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the Clinical Professors, the reporting of all cases in the ward allotted him. The holding of one of these offices is found to be of the greatest possible advantage to Students, as affording a true *practical* training for future professional life. They will be awarded on application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Surgical wards and to the Out-door Department. For these appointments, application is to be made to the Professor of Clinical Surgery and to the assistant Surgeons.

The Operating Room (used also for a lecture room) is so constructed as to enable the Students to obtain a good view of the operations.

### *Montreal Dispensary.*

ST. ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending Physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session, and from 4 to 6 p. m. during the summer session.

### *The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of Obstetrics. An improved Tarnier-Bûdin phantom is provided for the use of the Students, and every facility afforded for acquiring a practical knowledge of the

various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. Clinical Midwifery having been placed upon the same basis as Clinical Medicine and Surgery, and a final clinical examination instituted, Students will find it very much to their advantage to pay special attention to their clinical work during the summer session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to Students who contemplate presenting themselves for British qualifications. Two resident Accoucheurs are appointed yearly from the graduating class to hold office for a period of six months each. By an arrangement with the authorities of the Montreal General Hospital, one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

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## § XIV.—STUDENTS' APPOINTMENTS.

General Hospital—Five Resident Medical Officers.
Clinical Clerk, Gynæcology.
" " Laryngology.
" " Diseases of Children.
" " Dermatology.
" " Diseases of Nervous System.
University Maternity—Two Resident Medical Officers.
Out-door Dressers.
Dressers in Eye and Ear Department.
Surgical Dressers (in-door).
Medical Clinical Clerks.
Post-mortem Clerks.
Student Demonstrators of Anatomy, 4 third-year Students.
Prosectors to Chair of Anatomy, 2.
Assistants in Practical Histology Course, 2.
Assistants in Practical Physiology Course, 4.
Assistants in Practical Chemistry, 2.

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## § XV —RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

## TIME TABLE—FIRST AND SECOND YEARS, 1891-92.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Anatomy Examination. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Physiology, 2nd Year. |
| 10 | * Practical Chemistry, 2nd Year, till 12 o'clock. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Practical Chemistry, Practical Physiology, Histology Demonstration. |
| 11 | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Out-Patients, Montreal Gen'l. Hospital. |
| P.M. 2 | Physiology Examination, 2nd Year. | Physiology, 2nd Year. | Physiology, 2nd Year. | Physiology, 1st Year. | Physiology, 1st and 2nd Years. | |
| 3 | Chemistry Examination. | Chemistry. | Chemistry. | Chemistry. | Chemistry. | |
| 4 | Therapeutics Examination. Physiology, 1st Year. | Therapeutics, Physiology, 1st Year. | Therapeutics, Physiology, 1st Year. | Therapeutics, | Therapeutics, Histology Lectures, 1st Year. | |
| 4 to 6 | | Practical Histology. | | Practical Histology. | | |
| A.M. 10 to 12 | Practical Anatomy. | Practical Anatomy | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. |

N.B.—The Demonstrator's Hours in the Dissecting Room from 10–12 a.m., and from 8–10 p.m. * Until Christmas only.

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# Faculty of Law.

Principal: SIR WILLIAM DAWSON, LL.D. (Ex Officio).
N. W. TRENHOLME, Q.C., M.A., D.C.L., Dean, and GALE Professor of Roman and International Law.
Honorable Mr. JUSTICE WURTELE, D.C.L., Professor of the Law of Real Estate.
J. S. ARCHIBALD, Q.C., D.C.L., Professor of Commercial Law.
L. H. DAVIDSON, Q.C., M.A., D.C.L., Professor of Commercial Law.
CHRISTOPHE A. GEOFFRION, Q.C., D.C.L., Professor of the Law of Contracts.
ARCHIBALD MCGOUN, M.A., B.C.L., Professor of Legal Bibliography.
THOMAS FORTIN, LL.L., B.C.L., Professor of Civil Procedure and Municipal Law.
W. DEM. MARLER, B.A., B.C.L., Professor of Notarial Law.
C. J. DOHERTY, Q.C., B.C.L., Professor of Civil Law.
HARRY ABBOTT, Q.C., B.C.L., Professor of Commercial Law.
EUGENE LAFLEUR, B.A., B.C.L., Professor of Civil Law.
Dean of Faculty.—Professor TRENHOLME.
Secretary and Librarian of the Faculty.—Professor MCGOUN.
Corporation Examiners for Degrees—Professors TRENHOLME and FORTIN.
Matriculation Examiners of the Faculty.—Professors ARCHIBALD and LAFLEUR

The Faculty of Law feels much satisfaction in being able to announce that the important step, so long and earnestly desired by all friends of the University, of placing the McGill School of Law on such a substantial and permanent basis as to enable it efficiently to perform its part in the great work of legal education in Canada, has been accomplished by the munificent endowment presented to the University by Mr. William C. McDonald. This endowment places the Faculty in a position to offer to those who desire to study the Law, either with a view to its practice as a profession or as a means of culture, or as a qualification for the discharge of the higher duties of citizenship, a comprehensive and complete course of legal study, with the use of library, reading room and other aids which have not heretofore been at the command of the Faculty. The course of study to be pursued, extending over a period of three years, and the instruction to be imparted, while designed thoroughly to qualify professional Students for the practice of their profession, will also fully

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recognize the important fact, which, no doubt, was a main inducement for the action of the Faculty's generous benefactor, that upon the character of the Bar depends that of the Bench and of the administration of justice, and to a great extent also the character of the public men and public life of the country ; that, in fact, from the ranks of no other profession are so many called to fill high positions of trust and to perform duties, the efficient and upright discharge of which is of vital importance to the community.

In reorganizing the Faculty, under the W. C. McDonald endowment, a number of well-known names have been added to the staff, as shown above, and the courses largely specialized. It was felt, that while professional men, engaged in the active practice of their profession, might be relied upon to deliver regularly a limited number of lectures, on special subjects, they could not be expected to undertake to submit to the serious interference with their business and inevitable interruptions, involved in very lengthy courses. And to obviate the difficulties and drawbacks necessarily arising from sole dependence, as heretofore, on professional men in active practice, for attending to the interests and maintaining the efficiency of the Faculty, and to meet a deeply-felt want in this respect, the Dean has been appointed as a salaried officer, whose duty it will be primarily to devote his whole time to the work.

Further, the Professor of Legal Bibliography has been appointed secretary and librarian, and will have supervision of the Library,—comprising at present the law libraries of the late Mr. Griffin, Q.C., of the late Chancellor Day, and of part of the library of the late Mr. Justice McKay, all of which were bequeathed to the University ; and also of the law library of the late Mr. Justice Torrance, now the property of the Fraser Institute, of which he was a trustee—the use of which has been generously granted to the Faculty by the present trustees. The above law books will of themselves afford to the law student a library which will generally prove sufficient for his wants, and which will be kept up and added to by the expenditure of a sum annually in the purchase of books. There will also be provided in connection therewith a reading room, in which the leading law magazines and literature of the day will be found.

As a place for the study of Law by professional Students, Montreal affords undoubted advantages, among other reasons, on account

of the great variety and extent of the legal business done there; the constant sitting of all the principal courts of the Province, and the large number of first-class law offices open to Students; while for all students, and especially for students of historic and philosophic jurisprudence, no more interesting or attractive legal system exists than that prevailing in this Province, where may be daily seen and studied, not simply theoretically, but in active operation as parts of our law, the three famous systems of jurisprudence,—Roman, French and English,—with additions and modifications introduced by our own legislatures and courts. The imposing features of the Roman Law may be recognized throughout the greater portion of our Civil Code, often combined with or incorporated into that noble system elaborated and perfected by Pothier and other great French Jurists, both of the ancient and modern epochs, which is the direct source of most of our Civil Law; while nearly the whole body of English Criminal and Constitutional Law and large portions of English Commercial Law are equally parts of the law of this Province.

The importance of the Notarial profession, and of a knowledge of notarial practice and conveyancing, has led to the appointment as a full member of the Faculty of a Professor of Notarial Law, whose course of lectures will be attended by all professional Students.

With a view to extending as far as possible the usefulness of the Faculty, the courses of lectures on commercial subjects have been so arranged, that young men engaged in banks or other business houses can attend them without interference with their regular duties. Students of other departments of the University, and, in fact, all who may desire to do so, may attend such particular courses as they may see fit to select. It is hoped that the courses delivered will be found beneficial to all students, indeed to all who may desire to know something of the constitution and laws by which they are governed, and of a science which has been characterized by Burke, as "the collected reason of ages, combining the principles of original justice and the infinite variety of human concerns."

The classes in Law will begin in the Faculty Rooms, Fraser Institute, on MONDAY, THE 7TH SEPTEMBER, 1891.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on FRIDAY, 4TH SEPTEMBER, at 4 p.m.

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While the Faculty accept for matriculation the requirements stated in the Regulations below, they nevertheless strongly recommend Students intending to study law to take the B.A. course in the Faculty of Arts as a preliminary qualification; and if that be not attainable, as much as possible of the Arts course.

The lectures will be delivered in the Faculty Rooms in two terms: the first beginning on Monday, 7th September, 1891, and the second beginning on Monday, 4th January, 1892.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the session, and as announced below, unless otherwise determined by the Faculty.

The complete course of study in this Faculty extends over three years.

## Scholarships and Prizes.

Two scholarships, each of one hundred dollars, are offered for competition to Students whose domicile is not in Montreal or vicinity. They will be awarded, after the Sessional Examinations in April, 1892, upon the results of the Examinations of the first year, and will be payable during the second year.

Prizes open to competition by all the Students will also be given to the Students taking the best standing in each year.

No scholarship or prize shall, however, be awarded to any Student unless a sufficiently high standing, in the estimation of the Faculty, be attained, to merit it.

## Classification of Students.

Matriculated Students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation for attendance on any particular series of Lectures.

Students who have completed their course of three years, and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

## COURSE OF STUDY FOR 1891-92.

*Roman Law :*

1st Year.
History of Roman Law.....
Maine, Ancient Law.....
Institutes of Justinian.....
Gaius, Commentaries..... } THE DEAN.
2nd and 3rd Years.
Institutes of Justinian.....
Gaius, Commentaries.....
Maine, Ancient Law.....

*Criminal Law*..... } THE DEAN.
*Constitutional Law*..... }

*Law of Real Estate :*

History and nature of various kinds of tenure of real property in the Province, and their incidents..... } Professor WURTELE.

*Commercial Law :*

Insurance, Fire, Life and Marine..... Professor ARCHIBALD.

*Commercial Law :*

Insurance, Fire Life and Marine..... Professor DAVIDSON.

*Law of Contracts*..... Professor GEOFFRION.

*Legal Bibliography and History :*

Sources of our Law : Imperial Statutes and English laws in force here ; Legislation within the province, classification of authorities French and English..... } Professor McGOUN.

*Civil Procedure :*

Jurisdiction of the civil courts.....
General Rules of Pleading..... } Professor FORTIN.
Code of Procedure.....

*Notarial Law :*

Notarial Practice and Conveyancing..... Professor MARLER.

*Civil Law :*

Law of Successions.....
Forced licitations..... } Professor DOHERTY.

*Commercial Law :*

Law of Banking.....
Documents of Title..... } Professor ABBOTT.

*Civil Law :*

Marriage Coverants..... Professor LAFLEUR.

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## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Secretary, Prof. McGoun, 181 St. James St., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. The degree of B.A. obtained from any Canadian or other British University; or a certificate of having passed the examination before the Bar for admission to study Law in the Province of Quebec; or the intermediate Examination in the Faculty of Arts in McGill University, shall be accepted in lieu of Examination for Matriculation in this Faculty. For other candidates the Matriculation Examination this year will be in the following subjects:—

*Latin.*—Virgil, Æneid, Book I.; Cicero, Orations I. and II. against Catiline. Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires;" *Molière, "Le Bourgeois Gentilhomme;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic; Algebra to the end of Simple Equations; Euclid, Books I., II., III.

*History.*—White's Outline of Universal History (or any equivalent manual); *Green's Short History of the English People; Miles' School History of Canada; † Duruy, Histoire de France.

*Literature.*—*Collier's Biographical History of English Literature; † Laharpe, Cours de Littérature; † Lefranc, Cours de Littérature.

*Rhetoric*—Whately's Rhetoric; Blair's Lectures (small edition).

*Philosophy.*—*Whately's Logic; † Logique de Port Royal; † Cousin, Histoire de la Philosophie; *Stewart's Outline of Moral Philosophy.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special

examination to be determined by the Faculty ; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended collegiate courses of legal study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct :

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted, and the said class-book shall be submitted to the Faculty at each monthly meeting ; and the Faculty shall after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each Student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

(4) Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

(6) All cases of discipline involving the interests of more than one Faculty,

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or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the end of April following.

The lectures will be delivered between the hours of half-past eight and half-past nine in the morning and four and half-past six in the afternoon; and special lectures in the evening; the whole at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the Students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the Students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such Students and those of the Students regularly attending Lectures. No Student shall pass the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been approved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Secretary of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be

awarded to the Student who being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to compete, shall take the highest marks in a special Examination for the Medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :—

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in the Faculty are as follows :—

| | |
|---|---|
| Registration Fee | $ 5 00 |
| Sessional Fee by Ordinary Students | 36 00 |
| Graduation Fee, including registration as voter in election of fellows | 12 50 |
| Fee for supplemental examination | 5 00 |
| Sessional Fee by Occasional or Partial Students, for each course | 3 00 |
| For Occasional or Partial students who are students in other departments of the University or affiliated Colleges, taking two or more courses, a single fee of | 5 00 |

Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than $3. Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. Occasional or Partial Students may be admitted into any class on such terms as shall be arranged by the Faculty.

17. The requirements and conditions for obtaining the Degree of D.C.L. in course can be ascertained upon application to the Secretary of the Faculty.

## SYLLABUS.

Friday, 4th September, 1891. Matriculation and Supplemental Examinations.
Monday, 7th. Ordinary Lectures begin.
Saturday, 12th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examination for admission to study or to practice Law in the Province of Quebec.
Monday, 4th January, 1892. Lectures, Second Term, begin.
Wednesday, 13th January, 1892. Bar Examinations take place at Montreal.
Tuesday, 1st March. Theses for Degree of B.C.L.
Monday, 25th April. Declaration of results of Examination.
Friday, April 29th—Convocation for Degrees in Law.
Monday, 6th June. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the July Examination for admission to study or to practice Law in the Province of Quebec.
Wednesday, 6th July, 1892. Bar Examinations take place at Quebec.

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## EXAMINATIONS.

The dates of Examinations, subject to be changed if need be, by the Faculty.

*Before Christmas :—*

Friday, 4th September, 1891, 4 to 6 p.m. Matriculation and Supplemental Examinations—Faculty Rooms, Fraser Institute.
Saturday, 28th November, 1891, 3 to 5 p.m. On Preliminary Course on Obligations —The Dean.
Tuesday, 15th December, 1891, 4 to 6 p.m. On Legal History and Bibliography —Prof. McGoun.
Wednesday, 16th December, 1891, 4 to 6 p.m. On Civil Procedure—Prof. Fortin.
Thursday, 17th December, 1891, 4 to 6 p.m. On Roman Law—The Dean.
Friday, 18th December, 1891, 4 to 6 p.m. On Contracts—Prof. Geoffrion.
Saturday, 19th December, 1891, 3 to 5 p.m. On Agency and Partnership—Prof. Davidson.

*After Christmas :—*

Saturday, 13th February, 1892, 3 to 5 p.m. Real Estate—Prof. Wurtele.
Saturday, 27th February, 1892, 3 to 5 p.m. Criminal Law—The Dean.
Saturday, 19th March, 1892, 3 to 5 p.m. On Civil Law (Marriage Covenants)—Prof. Lafleur.
Tuesday, 19th April, 1892, 4 to 6 p.m. On Constitutional Law—The Dean.
Wednesday, 20th April, 1892. 4 to 6 p.m. On Civil Law (Successions)—Prof. Doherty.
Thursday, 21st April, 1892, 4 to 6 p.m. On Commercial Law—Prof. Archibald.
Friday, 22nd April, 1892, 4 to 6 p.m. On Banking and Documents of Title—Prof. Abbott.
Saturday, 23rd April, 1892, 3 to 5 p.m. On Notarial Law—Prof. Marler.

## MEETINGS OF FACULTY.

Friday, 4th September, 1891, 8 p.m. Faculty Rooms, Fraser Institute.
Monday, 7th " " "
" 5th October " "
" 9th November " "
" 14th December " "
" 11th January 1892 "
" 8th February " "
" 7th March " "
" 11th April " "
" 25th " " "
" 6th June " "

# FACULTY OF LAW—TIME TABLE, 1891-92.

I. MONDAY, 7th September, to FRIDAY, 2nd October, 4 weeks.

| HOURS. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | |
| 4 to 5 p.m. | Prof Fortin. | Prof. Fortin. | Prof. Fortin. | Prof. Fortin. | Prof. Fortin. |
| 5 to 6 p.m. | The Dean. | The Dean. | The Dean. | The Dean. | The Dean. |

II. MONDAY, 5th October, to FRIDAY, 6th November, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | |
| 4 to 5 p.m. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. |
| 5 to 6 p.m. | Prof. Davidson. | Prof. Geoffrion. | Prof. Davidson. | Prof. Geoffrion. | Prof. Davidson. |

III. MONDAY, 9th November, to FRIDAY, 11th December, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 4 to 5 p.m. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. |
| 5 to 6 p.m. | Prof. McGoun. | Prof. Davidson. | Prof. McGoun. | Prof. Davidson. | The Dean. |

IV. MONDAY, 4th January, to FRIDAY, 5th February, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | | The Dean. | | The Dean. |
| 5 to 6 p.m. | Prof. Lafleur. | Prof. Wurtele. | Prof. Lafleur. | Prof. Wurtele. | Prof. Lafleur. |

V. MONDAY, 8th February, to FRIDAY, 11th March, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | Prof. Archibald. | The Dean. | Prof. Archibald. | The Dean. |
| 5 to 6 p.m. | Prof. Abbott. | Prof. Lafleur. | Prof. Abbott. | Prof. Lafleur. | Prof. Abbott. |

VI. MONDAY, 14th March, to FRIDAY, 15th April, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | Prof Archibald. | The Dean. | Prof. Archibald. | The Dean. | Prof. Archibald. |
| 5 to 6 p.m. | Prof. Marler. | Prof. Abbott. | Prof. Marler. | Prof. Abbott. | The Dean. |

Examination by the Dean on part of his course on Saturday, 28th Nov., and Saturday, 27th February. Exam. by Prof. Wurtele, Saturday, 13th February. Exam. by Prof. Lafleur, Saturday, 19th March. Christmas Examinations, 14th to 18th Dec. Final Examinations, April 18th to 22nd.



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# Faculty of Comparative Medicine and Veterinary Science.

THE PRINCIPAL (Ex-officio).

*Professors :*

MCEACHRAN (D.), BAKER, MCEACHRAN (C).

*Associate Professors :*

GIRDWOOD, PENHALLOW,
WILKINS, MILLS.
STEWART.

Dean of the Faculty :—D. MCEACHRAN, D.V.S.
Secretary :—C. MCEACHRAN, D.V.S.

The Third Session of the Faculty (being the twenty-sixth of the Montreal Veterinary College) will be opened on Thursday, the 1st October, 1891, by an introductory lecture, at 8 p.m., in the lecture-room of the Faculty, No. 6 Union Avenue. The regular course of lectures will begin on Friday, 2nd October, at the hours named in the time-table, and will continue till the end of March.

The Montreal Veterinary College was inaugurated in 1866. A course of lectures on Veterinary Science was delivered during the winter, in connection with the Medical Faculty, in a lecture-room on Cotté street. The suggestion being made by the late Major Campbell, who was president of the Board of Agriculture, was warmly supported by the late Dean, Dr. George Campbell, the Principal, Sir William Dawson, and the Professors of the Institutes of Medicine, Chemistry and Botany, who became directly interested in the progress of the school.

In 1875 the growth of the school was such as to necessitate a special establishment, and the present buildings were erected at the expense of the Principal, D. McEachran, F.R.C.V.S.

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During the past year considerable improvements have been made.

The complete course of study in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to present themselves for examination after regular attendance on one full course; graduates of recognized Agricultural Colleges, where Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to Students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and Students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

Graduates of recognized Veterinary Colleges, desirous of taking the degree, may do so by attendance on the final subjects for one full session, but will be required to pass the examinations on all the subjects embraced in the curriculum, botany excepted.

Occasional and Agricultural Students will be received without matriculation for attendance on any particular series of lectures. Such Students will not be examined, nor will they be entitled to receive class certificates, except as Occasional Students, nor will such attendance be accepted, should the Student subsequently wish to become a regular Student of the Faculty.

## MATRICULATION.

Every Student, previous to his admission, must produce a certificate of educational acquirements satisfactory to the Faculty, or submit himself to a matriculation in writing, reading aloud, dictation, arithmetic (including vulgar fractions), English grammar (as a text-book, Miller's Swinton's Language Lessons). It will be seen that this examination is far from severe; yet it affords a certain guarantee that illiterate men will not be admitted.

A. N. Shewan, M.A., will hold the matriculation examination on Wednesday, 30th September, at 9 o'clock, at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination

Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates of any Faculty in a recognized University or Agricultural College are not required to matriculate.

No College is recognized unless its Students are required to matriculate.

## REGISTRATION AND PAYMENT OF FEES.

The following are the College regulations :—

All Students desirous of attending the classes shall, at the commencement of each session, enrol their names and residences in the register of the Faculty, and procure from the Registrar a ticket of registration, for which each Student shall pay a fee of $5.

The said register shall be closed on the last day of October in each year. The fees are payable to the Registrar, and all class tickets will be issued by him, and must be paid in advance (except under special circumstances) at the time of registration.

All Students must register, including those who receive free bursaries.

Fees for the whole course are $180, which may be paid in three annual payments of $60 each, which, in all cases, must be paid on entering. Matriculation fee, $5, which is to be paid prior to the examination; $5 for registration, and $5 for re-registration, payable at the beginning of each of the following two Sessions, and $20 on receiving the diploma. Students who are allowed time for previous study will be required to pay full fees. Payments must be made in all cases as above.

## STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture has the privilege of sending thirteen pupils, free of expense, to the whole course ; such students must, however, pay a fee of five dollars for the course in Botany and five dollars annually for registration. These Bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the Faculty, in handwriting of applicant, accompanied by a recommendation from the Agricultural Society of the district in which they reside, provided the Council considers them qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, Bursars will be required to give a guarantee that they will attend three Sessions ; and failing to do so, they shall be required to pay the fees for the Sessions which they have attended.

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## GENERAL REGULATIONS.

Students of this Faculty will be graded as of the First, the Second, and the Final Year.

In each year Students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such, and shall obtain a ticket or tickets for the class or classes they desire to attend.

All Students shall be subject to the following regulations as regard attendance and conduct:—

A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted; and the said class book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

Punctual attendance on all classes proper to his year is required of each Student. Absence or tardiness, without sufficient excuse, or inattention or disorder in the class-room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student, or report to the Faculty, as he may decide. While in the building, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the class-rooms. Any Professor observing improper conduct in the class-rooms or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 30th March following.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and such other examiners as may be

appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The Students have all the privileges of the McGill Medical Faculty's Laboratories, which are thus described in their annual calendar :—

## PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains, amongst other valuable instruments : kymographs, various manometers, etc., for demonstrating blood pressure ; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle ; special apparatus for illustrating various points in respiration ; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The Laboratory is arranged in such a way as to permit of Students assisting at, and taking part in, these demonstrations. During the past session important additions of apparatus have been made to the Physiological Laboratory.

## CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on this course, has a numbered table in the Laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

The Laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, etc., giving to the Student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

## PATHOLOGICAL LABORATORY.

In the Pathological Laboratory, accommodation will be provided for Students or practitioners who desire to carry on advanced study or private pathological research, upon their obtaining permission from the Faculty.

The Laboratory has been entirely re-built during the past session, and is well stocked with the usual apparatus for pathological and bacteriological work.

MEDICAL UNIVERSITY LIBRARY

The demonstrations in Morbid Anatomy will be given in a small laboratory, specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

### HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well-lighted room. It is so arranged that over eighty Students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well known makers, Zeiss, Hartnack and Leitz. From the large number of microscopes employed, Students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

### PRACTICAL MICROSCOPY.

This is an entirely optional course, in charge of Prof. Wilkins. It is intended especially for teaching the technique of Microscopy. Students will be shown how to examine blood, etc., fresh specimens and morbid products, also to cut, stain, and mount specimens. For this purpose they will have furnished them both normal and diseased structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and everything except cover-glasses and cabinet cases provided. Fee $8.

## COURSES OF LECTURES.

### BOTANY.

D. P. PENHALLOW.

The purpose of this course is to give Students a good grounding in the principles of General Morphology, to advance their knowledge of the Comparative Physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation. It comprises,—

1. A course of lectures on General Morphology and Classification, Histology and Physiology. The lectures are illustrated by means of the microscope, and by the models and large collections in the Peter Redpath Museum.

2. Practical work in the determination and classification of Species, for which the Botanic Garden of the University offers special facilities.

3. Studies in Canadian Botany. This work is prosecuted by means of field-excursions, which are held as often as opportunity is afforded during the autumn months.

4. A special collection of medicinal plants, now being formed at the Gardens, offers a valuable preparation in the course of Pharmacology.

## ZOOLOGY.*

SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples, and by the collections in the Peter Redpath Museum. It affords suitable preparation for collecting in any department of Canadian Zoology or Palæontology, and as an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum, and to the Museum of the Natural History Society of Montreal.

## CHEMISTRY.

GILBERT P. GIRDWOOD, M.D.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Medicine. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration, abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the Class, to repeat experiments performed during the course, under the superintendence of the Professor or his Assistant.

## PHYSIOLOGY.

WESLEY MILLS, M.D.

The purpose of this course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly, a full course of lectures is given, in which both the Experimental and Chemical department of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

Laboratory work for Senior Students:—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food-stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

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* Students may take either Botany or Zoology, but must intimate at the beginning of the session their choice, and adhere to this, except by special permission of the Faculty.

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(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc.

## HISTOLOGY.

GEO. WILKINS, M.D.

This will consist of a course of ten lectures, and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## COMPARATIVE PATHOLOGY.

Besides lectures and demonstrations in General Pathology and Morbid Anatomy, the Students will perform autopsies under the direction of the teacher. The experimental study of contagious and parasitic diseases will receive special attention.

## MEDICINE AND SURGERY.

D. MCEACHRAN, F.R.C.V.S.

This course is intended for Students of the second and third years only.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature, causes, symptoms, and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and yard practice of the College, as well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practices of Surgery, and will be illustrated by a large collection of surgical appliances, about to be added to the College material for the illustration of lectures.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes.

Special lectures will be given on Sanitary Science, Quarantine, inspection of meat and milk, and also on the examination of horses for soundness.

## ANATOMY.

M.C. BAKER, D.V.S.

In this course the Anatomy of the horse is the subject of special study; while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of classic anatom-

ical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most complete collection of diagrams, including Marshall's complete set, Mons. Achille Comte's Anatomical and Zoological series, also a large collection of drawings, specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawksett, Montreal.

The Dissecting Room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct Students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords Students all that can be reasonably desired. Students are required to pay for material necessary for practical dissection. Before a Student can be allowed to present himself for his pass examinations, he must produce tickets certified by the Demonstrator that he has dissected two entire subjects, that is, one each session.

## MATERIA MEDICA.

### James Stewart, M.D.

This course comprises :—

A description of the Pharmacology and Therapeutics of the more important medicinal agents, as well as a special course on the properties, preparation, physiological and therapeutic actions of all the medicines used in Veterinary practice.

Students are also required to do practical work, in compoun ding and administering medicines, in the pharmacy and hospital.

## CATTLE PATHOLOGY AND OBSTETRICS.

### C. McEachran, D.V.S.

A special course on Cattle Diseases and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plagues ; their nature, symptoms, pathological anatomy. prophylactic and therapeutic treatment ; breeding and general management of breeding animals ; diseases incident to gestation and parturition, etc.

## SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special course on Dogs, which will include :—

(1) Lectures on the psychic and physic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.

(2) The principles of training ; the feeding and general management of dogs.

(3) The principles of breeding ; the management of brood bitches and the rearing of puppies.

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(4) Bench show management and the public judging of dogs.

(5) The rights and duties of dog owners.

In all of the above courses the clinical and pathological aspects of the subjects will be considered, as well as the normal.

## SPECIAL COURSE ON STOCK-BREEDING.

Professor D. McEachran will during the session deliver a special course of lectures on the Breeds of Horses, Cattle, Sheep and Swine, embracing their breeding and management on farms and on the prairies. This course will also embrace inspection and transportation of animals by railroad and steamer, subjects of general information of great value to Practitioners of Comparative Medicine.

The above special courses are free to all Students.

## THE MUSEUM

contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the Students have frequent opportunities of referring. There has been recently added a large and valuable private Museum, presented to the Faculty by J. W. Gadsden, M.R.C.V.S., of Philadelphia, Penna., U.S.

## THE PHARMACY.

All the medicines used in the practice of the College are compounded by the Students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this means they become familiar with the physical properties, compatibilities, doses and uses of the medicines, and become expert in administering them to the different patients brought for treatment.

## THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the city and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the numbers of cattle kept in the city, and the valuable thoroughbred herds in the neighborhood, advanced Students are enabled to see and do considerable cattle practice. The dog practice is the largest in

Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior Students will be appointed to act alternately as dressers in the Hospital, and First and Second Year men must assist in administering medicines and at operations.

## FREE CLINICS.

To afford the Students still more extensive opportunities of clinical observation, an hour a day will be given to free clinics for animals belonging to the poor, which will be duly advertised.

### TEXT BOOKS.*

The following text-books are recommended :—

*Anatomy.*—Chauveau's Comparative Anatomy ; Strangeway's Veterinary Anatomy ; McFadeyan's Veterinary Anatomy.

*Physiology* —Huxley's Elementary Lessons ; Prof. Mills' Text-Book of Animal Physiology ; Outlines of Lectures, by the same author.

*Histology.*—Klein's Elements ; Schæfer's Essentials of Histology.

*Botany.*—Gray's Structural Botany ; Bessey's Botany.

*Zoology.*—Dawson's Handbook of Canadian Zoology.

*Chemistry.*— Millar ; Wurtz's Elementary Chemistry ; Armstrong.

*Medicine and Surgery.*—Williams' Principles and Practice of Veterinary Medicine ; Fleming's Sanitary Science and Police ; Fleming's Surgery.

*Materia Medica.* — Dun's Veterinary Medicines ; Walley's Veterinary Conspectus ; Tuson's Pharmacy.

*Cattle Diseases.*—Steel's Bovine Pathology ; Clatter's Cattle Doctor (Armitage) ; Fleming's Veterinary Obstetrics.

*Canine Diseases.*—Woodroof-Hill ; Mayhew.

*Entozoa.* —Cobbold's Entozoa of Domestic Animals.

*Pathology.*—Delafield and Prudden's Pathology and Morbid Anatomy.

## BOARD AND TRAVELLING EXPENSES.

Board can be obtained at from $15 to $20 per month.

By the kindness of the Railway Companies, certified Students of the College will be granted return tickets from Montreal to any part of their lines, at greatly reduced rates, the said tickets to hold good from the close of one session to the beginning of the next.

Return tickets will also be granted for the Christmas vacation.

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* Students are advised not to buy text-books extensively till after consultation with the Professor who teaches the subject.

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## VETERINARY MEDICAL ASSOCIATION.

This Association is for the mutual improvement of its members.

The members are Graduates and Students of Comparative Medicine, also Graduates and Students of Human Medicine.

The meetings are held fortnightly, at which papers are read and discussed, cases reported, etc.

The advantages which Students derive from these meetings are very great. Not only do they hear carefully prepared papers on subjects of professional importance, but an opportunity is afforded for practising public speaking, which in after-life is often extremely useful. The fees of the Association are expended in the purchase of books for the Library, and the prizes awarded for papers read.

The Library is owned by the Association, and is under the control of officers who are elected annually. It contains nearly 600 volumes, embracing works of great antiquity as well as the modern works on Veterinary Science and collateral subjects in both the English and French languages, all of which are available for consultation and study by members.

Every Student is expected to become a member. The entrance fee is $5, and the yearly subscription $2.50.

## ASSOCIATION FOR THE STUDY OF COMPARATIVE PSYCHOLOGY.

This Society is similar in constitution to the Veterinary Medical Association.

Its object is the study of the Psychic Phenomena (intelligence, etc.) of all classes of animals, and the diffusion of sounder views on this subject.

Naturally, it is of great importance in the practice of medicine upon dumb animals, as well as of peculiar scientific interest.

## QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects:—

| | |
|---|---|
| Either Botany or Zoology,<br>Histology, | One course of six months, 1st year. |
| Chemistry,<br>Physiology,<br>Anatomy, | Two courses of six months, 1st and 2nd years. |
| Cattle Diseases and Obstetrics,<br>Practice of Medicine and Surgery,<br>Materia Medica, | Two courses, 2nd and 3rd years. |

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum.

Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Faculty, and on written application stating reasons.

Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, Candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required; the clinical reports to include diagnosis, prognosis and treatment.

The following oath or affirmation will be exacted from the Candidate before receiving the degree :—

DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AN D VETERINARY SCIENCE.

I,———, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

## EXAMINATIONS.

First Year.—Pass Examinations in Botany or Zoology, and Histology, and sessional examinations on other subjects in the course of the year.

Second Year.—Pass Examination in Chemistry, Physiology, Practical Histology and Anatomy, in addition to Sessional Examinations.

Third Year.—Pass Examination in Practice of Medicine and Surgery and Veterinary Obstetrics, and Diseases of Cattle and Materia Medica.

N. B.—Sessional Examinations will be held from time to time during the session, and attendance at these is compulsory, and the standing attained at the examinations will be taken into account at the pass examinations.

## AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular students before attaining that age.

Minors may pass the examinations, but cannot receive the Diploma until they are twenty-one years of age.

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## PAST SESSION.

The total number of Students enregistered in this Faculty during the past session was 51, of whom there were from

| | | |
|---|---|---|
| Quebec.....23 | Massachusetts.... 7 | New Hampshire... 1 |
| Ontario..... 7 | New York..... 4 | Montana..... 1 |
| Nova Scotia..... 1 | Minnesota..... 1 | Texas ..... 1 |
| Manitoba..... 1 | Indiana..... 1 | Arkansas..... 1 |
| North-West Terr..... 1 | Wisconsin..... 1 | |

## HINTS TO STUDENTS.

The Matriculation Examination which you have to undergo is by no means a severe one, and if you are not prepared to pass it, you should begin at once to improve your education.

You had better not commence professional reading till you have become familiar with the fundamental subjects. Practice, except under the guidance of a thoroughly educated practitioner, is more likely to mislead than aid you.

It is advisable that you should arrive in Montreal before the opening day, so as to give you time to procure suitable lodgings. Endeavor by all means to be present at the introductory lectures on all subjects; you cannot miss one lecture without thereby losing valuable preparatory information. Come prepared to procure at once the necessary text books and note books. Make your arrangements so as to enable you to devote your entire time and undivided attention to your studies, as the three sessions which the curriculum covers will be found none too long to accomplish the necessary proficiency in the various branches of study required of you.

## NOTICE TO GRADUATES.

For the purpose of increasing pathological material for the classes, Graduates are earnestly requested to send any interesting or obscure pathological specimens, which may be met with in their practice to the Pathologist at the Veterinary College, No. 6 Union Avenue. The specimens may be sent C.O.D. by express and will in all cases be acknowledged. A report upon the nature of the specimen will be sent if desired; and the specimens, when of sufficient interest, will be preserved in the Museum with the names of the donors affixed.

# McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, or for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

## Government of the School.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the Committee of the Normal School for the Session of 1891-92.

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## NORMAL SCHOOL COMMITTEE.

Sir Wm. Dawson, C.M.G., LL.D., F.R.S., Vice-Chancellor of the University, *Chairman.*

Mr. Samuel Finley, }
Mr. George Hague, } Governors of McGill College.

Rev. George Cornish, LL.D., }
J. R. Dougall, M.A., } Fellows of McGill University.

J. W. Brakenridge, B.C.L., *Acting Secretary.*



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## OFFICERS OF INSTRUCTION.

### McGill Normal School.

Sampson Paul Robins, M.A., LL.D., *Principal and Ordinary Professor of Mathematics, and Lecturer on Art of Teaching and Natural Science.*

George W. Parmelee, B.A., *Ordinary Professor of English Language and Literature, and Instructor in Classics.*

Madame Sophie Cornu, *Professor of French.*

Mr. R. J. Fowler, *Instructor in Music.*

Mr. Jno. P. Stephen, *Instructor in Elocution.*

Miss Green, *Instructor in Drawing.*

Lilian B. Robins, B.A., *Assistant to the Principal.*

Mr. W. H. Smith, *Instructor in Tonic Sol-Fa.*

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### MODEL SCHOOL OF THE McGILL NORMAL SCHOOL.

——— *Head Master of Boys' School.*

Miss Jane A. Swallow, *Head Mistress of Girls' School.*

Miss Lucy H. Derick, *Head Mistress of Primary School.*

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### ANNOUNCEMENT FOR THE SESSION 1891-92.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-sixth session of this school will commence on the first of September, 1891, and close on the thirty-first of May, 1892. The complete course of study extends over four years, and the Students are graded as follows:—

1.—*Elementary School Class.*—Studying for the Elementary School Diploma.

2.—*Model School Class.*—Studying for the Model School Diploma.

3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

## I. TERMS OF ADMISSION.

*(Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.)*

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography, and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A.A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry, and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted to the Elementary School Class not later than the close of the Christmas vacation. No teacher-in-training admitted later

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than the first of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit on trial to the classes persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the school by the Principal whenever he may judge it best so to do; but none shall be permitted to enter or to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*See Note c.*)

## II. PRIVILEGES OF TEACHERS IN TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examinations, the sum of $400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of $800 will be divided at the close of the sessional examinations. The remainder of the bursary fund will be divided as an allowance for travelling expenses among teachers-in-training residing in the Province of Quebec, at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects English, Mathematics, French, and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none other shall be entitled to this privilege, nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations in the Normal School, shall be entitled to diplomas of the grade of the class to which they belong, and except

with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching the standards defined above shall be entitled to admission to the Model School Class; none others, without the special permission of the Principal. Such holders of Elementary School diplomas as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may be examined either at the examinations for the Associate in Arts in June, or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be arranged by the Principal from time to time, in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy

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diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto, after teaching for a time, in order to take the degree of Bachelor of Arts; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School, who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations, with not less than 60 per cent. of the marks in Mathematics, French Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training, who do not attain the standard defined above, must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemption from fees in the second year will be granted to the three students entering from the Normal School, who, with creditable standing in all their examinations at the close of the first year in Arts,

have taken the highest aggregate of marks of any Normal School Students of their year.

IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled. (*See Note c.*)

Each professor shall have the power of excluding from his lectures any Student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal.

V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction each student will be required to attend public worship at his own church, at least once every Sunday.

VI. BOARDING-HOUSES.

1. The teachers-in-training shall state the place of their residence, and those who cannot reside with their parents, will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

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4. A copy of the regulations shall be sent to all keepers of lodging-houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging house keepers are required to report, as soon as possible, all cases of serious illness, and all infractions of rules touching boarding houses.

## VII. ACADEMY DIPLOMAS TO GRA DUATES.

*Granted under the Regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin, Greek and French in the Degree Examinations, or who have taken at least second class standing in these subjects at their Intermediate Examinations, shall be entitled to receive first class Academy diplomas, provided that they have also taken a regular course in the Art of Teaching at the McGill Normal School, or other public training institution outside the Province approved by the Protestant Committee.

Graduates who have not passed in French, as prescribed above, may, on application, be examined in that subject before the Principal of the McGill Normal School, and, if satisfactory, such examination shall be accepted in lieu of the prescribed standing in French in the University examinations.

To meet the requirements of Graduates and Undergraduates in Arts, who, not having previously taken a Normal School course, desire to receive Academy diplomas of the first class under regulation 54, provision has been made for the delivery of a course of

forty lectures on Pedagogy in the Normal School and for practice in teaching in the McGill Model School for forty half days, open to Graduates in Arts of any British or Canadian University, to Undergraduates of the third year, and, with the permission of the Faculty and the concurrence of the Principal of the Normal School, to those of the fourth year.

Undergraduates will be permitted to teach the forty half days referred to above, at times extending over the sessions of the Model School, corresponding to the third and fourth years of their college course. Graduates will be permitted to teach in the Model Schools at such times as may be agreed on with the Principal.

All persons taking this course of study in the Normal School shall be held to be subject to the regulations of the said school, and to be under the supervision of its Principal while in attendance thereat.

Graduates who have taken the above course of study in Pedagogy, and the first class Academy diploma, may be entered, if so desired by them, in the published lists of the University as holders of such diplomas.

Undergraduates who hold Model School diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas.

Teachers who hold (*a*) Academy diplomas granted before the first July, 1886, or (*b*) second class Academy diplomas granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the Committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (*a*) the requisite certificates of age and of good moral character, according to Form No. 1 (page 12), and (*b*) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction for an Academy diploma of the class to which he is entitled under these regulations.

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## FORM OF CERTIFICATE OF CHARACTER TO BE SUBMITTED BY CANDIDATES FOR ACADEMY DIPLOMAS.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing ..... for the ..... last past, that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man*."

*This Certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners, or Trustees, or Visitors.*

## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the By-Laws of the McGill Normal School.*

(*a*) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some Public School in the Province of Quebec.

(*b*) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals, and in the division of words into syllables; to give the names and state the positions of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, and rivers, and of the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(*c*) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school, or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied, in case of failure of health, by medical certificates.

(*d*) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in-training

of the Model School class who passes for the diploma, and takes the highest aggregate of marks at the final examination of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination, shall determine to whom this medal shall be awarded.

(*e*) In order to be recognized as teachers-in-training for the Academy diploma, students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts. Having entered college, they must report to the Principal of the Normal School from time to time, as he may require, and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(*f*) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(*g*) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from $12 to $16 per month.

## IX. COURSE OF STUDY.

N.B.—The subjoined Course of Study has been designed, and all instruction in it is given, with express reference to the work of teaching.

### I. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms, as follows:—

FIRST TERM, from September 1st to December 3rd.

(*Entrance Examination as stated above.*)

*English.*—The structure of sentences. Orthography and orthoepy. Penmanship. The study of Milton's L'Allegro and Il Penseroso.

MCGILL UNIVERSITY LIBRARY

*Geography.*—General view of continents and oceans. Map of North America with special reference to the Dominion. Eléments de Géographie moderne.

*History.*—Outline of general and sacred history. Histoire de France, en français.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary Notions.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on the principles of education specially on those derived from the mental and moral nature of the child.

SECOND TERM, January 6th to end of Session.

(*No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.*)

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Macaulay's Essay on Milton, and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of South America and of the Old World, with special reference to the British Islands.

*History.*—England. Histoire de France, continuée.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of numbers, Mensuration.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures continued.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religous Instruction* will be given throughout the Session.

In addition to the text-books named above, each Student of the Elementary School Class must be provided with an English Grammar, an English History, an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the school in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English language. Study of Shakespeare's Tempest, Scott's Lady of the Lake, Tennyson's Lotus Eaters.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Rome, Canada.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar, Gallic War, Book I.; Æneid, Book I, vv. 300.

*Greek.*—Grammar, Anabasis, Book I.

*French.*—Translation from French into English, and from English into French, Darey's Principes de Grammaire, Eléments de Littérature française Lectures Françaises, Méthode Berlitz, Canadian History, l'Histoire du Canada par Miles, French Geography.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs, and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

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*Religious Instruction* throughout the Session.

Such Students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

Other Students of exceptional ability may, with the consent of the Principal and the Professors of the several subjects, choose one of the following courses of extra study :—

(*a*) Mathematics : trigonometry and mechanics.
(*b*) French : classiques français, composition, et grammaire.
(*c*) Drawing : water-color.
(*d*) Music : violin.

In addition to the text-books named above, each Student of the Model School Class must be provided with an English Grammar, a History of Canada, a History of Rome, an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

## 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

Will follow two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and, if residents of the country, receiving a bursary from the Normal School not exceeding $30 per annum, and such tutorial assistance as may be deemed necessary. Such Students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in McGill College, for first year Students, is :—

*Greek.*—Homer.—Iliad, Book XXII. Xenophon. Cyropaedeia, Book I. Studies in History and Literature.

*Latin.*—Cicero, Select Orations. Virgil. Æneid, Bk. X.—Translation at sight. Studies in History and Literature. Latin Prose Composition.

*Mathematics.*—Arithmetic. Euclid, six books. Algebra to end of Quadratic Equations. Plane Trigonometry, in part.

*English Language and Literature.*—First term. Milton's Comus and Bacon's Essays (selected). Two lectures a week. English Composition, one lecture a week.

Second term.—English Literature, previous to Elizabethan Period.

*Chemistry.*—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work, if desired ; the whole preparatory to the course in Natural Science.

*French.*—Darey, Principes de Grammaire française. LaFontaine, Choix de Fables. Molière, L'Avare. Dictation ; Colloquial exercises.

The course for second year Students is :—

*Greek.*—Plato. Apology. Xenophon. Memorabilia. Bk. I., Chaps. I. to IV. History of Greece.

*Latin.*—Horace. Epistles, Bk. I., 1, 2 and 6; Livy, Bk. XXI. Translation at sight, and Latin Prose Composition.

*Mathematics.*—Arithmetic, Euclid, Algebra and Trigonometry as before. Logarithms. Plane Trigonometry, including solution of triangles and applications.

*Mathematical Physics.*—Mechanics, one lecture a week.

*English Literature.*—A period of English Literature and one play of Shakspere. During the session of 1891-92 : The leading poets of the nineteenth century. Shakspere, A Midsummer Night's Dream. [Clarendon Press Edition.

*Psychology and Logic.*—First Term, Elementary Psychology (*Text-Book :* Murray's Handbook of Psychology, Book I). Second Term, Logic (*Text-Book :*—Jevons' Elementary Lessons in Logic).

*Botany.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books :*—Gray's Structural Botany.

*French.*—Ponsard, l'Honneur et l'Argent. Racine, Esther. Contanseau Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—Dr. Johnson, Rasselas. Dictation. Parsing. Colloquial exercises.

The course in Bishop's College for the current year is :—

*Greek.*—Euripides, Hecuba, Homer, Odyssey IX. and X.

*Latin.*—Virgil, Georgic IV.; Sallust, Jugurtha.

*English.*—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History.*—Greek and Roman.

*French.*—Translation, Grammar and Composition.

*Mathematics.*—Euclid, Books I., II., III., IV., VI. and XI. Algebra to Progressions. Arithmetic.

*Physics.*—Balfour Stewart's Elementary.

## SYLLABUS OF LECTURES ON PEDAGOGY.

(Open to Graduates and Undergraduates.)

### The Legal Position of the Teacher.

1. The organization of Public Instruction in Quebec. 2. The relation of the teacher to the Department of Public Instruction and to the Protestant Committee of the Council of Public Instruction. 3. The relation of the teacher to school commissioners and parents. 4. The relation of the teacher to pupils. 5. The teacher as a member of a profession.

### Discipline.

6. Discipline as a means of immediate pleasure to pupils. 7. Discipline as tending to school success. 8. Discipline as a preparation for life. 9. Discipline developing character. 10. Discipline enforced by authority.

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INSTRUCTION IN SPECIAL SUBJECTS.

11. English reading, writing, grammar. 12. Literature, composition. 13. French. 14. The classics. 15. Number ; arithmetic and algebra. 16. Form ; geometry. Number and form ; trigonometry and mensuration. 17. Geography and history. 18. Botany and chemistry. 19. Drawing and music. 20. The acquisition of general knowledge.

PHYSICAL DEVELOPMENT.

21. Health. 22. Growth. 23. The training of the eye. 24. The training of the ear. 25. The training of the hand.

MENTAL DEVELOPMENT.

26. The training of the analytic faculty. 27. Observation and experiment. 28. The training of the synthetic faculty. 29. Understanding. 30. Judgment and reason. 31. Invention. 32. Imagination. 33. Memory of sensations. 34. Memory of conceptions. 35. Verbal memory.

MORAL DEVELOPMENT.

36. Training in truthfulness. 37. In justice and purity. 38. In philanthropy and patriotism. 39. In earnestness. 40. In good manners.

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Boys' School.—————, *Head Master.*

Selina Sloan,
Elizabeth Reid, } *Assistants.*

Girls' School.—Jane E. Swallow, *Head Mistress.*

Mary J. Peebles,
Louisa McNaughton, } *Assistants.*

Primary School.—Lucy H. Derick, *Head Mistress.*

Marion Taylor, *Assistant.*

These Schools can accommodate about 300 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of six and upwards, and give a thorough English education. Fees: Boys' and Girls' Model Schools, $1.00 to $1.50 per month ; Primary School, 75c. ; payable monthly in advance.

# Passed the University Examination.

SESSION 1890-91.

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

Hibbard, Frederick W., B.A., Dunham, Q.
Hatchette, Francis T., Montreal.
Geoffrion, Victor, Montreal.

## FACULTY OF MEDICINE.

PASSED FOR THE DEGREE OF M.D., C.M.

(Arranged Alphabetically.)

Dewar, G. F., New York, P.E.I.
Du Vernet, E., Gagetown, N.B.
Fleming, G. W., Chipman, N.B.
Girdlestone, G. W., Winnipeg, Man.
Goff, H. N., Newport, P.E.I.
Gunter, F. B., Fredericton, N.B.
Henderson, J. A.
Hewetson, S. W., Georgetown, Ont.
Hewetson, J., Riverside, Ont.
Holden, D. B., B.A., Montreal, Que.
Jamieson, W. H., Montreal, Que.
Keir, E. J., Malpeque, P.E.I.
Kelly, C. I., West Flamborough, Ont.
Lambert, E. M., Ottawa, Ont.
Lawrence, J. W., Lower Dumfries, N.B.
Love, A., New Glasgow, N.S.
Lovering, W. T., Seattle, Wash. Terr.
Lindsay, W., St. Marys, Ont.
Livingstone, H. A., Montreal, Que.
Mader, A. I., New Canada, N.S.
Main, C. G., St. Andrews, N.B.
Martin, M. Mc., Brown's Creek, P.E.I.
Martin, S. H., Savage Mines, Que.
Morrow, W. S., Halifax, N.S.
Mackay, R. B., B.A., Toronto, Ont.
Mackenzie, S. R.
McArthur, A. D., Kenmore, Ont.
McCann, A. E. A., Montreal, Que.
McCrimmon, A. A., St. Thomas, Ont.
McLennan, K., Dunvegan, Ont.
McMillan, J. H., Picton, N.S.
McMillan, W., Alberry Plains, P.E.I.
McMorine, R. F., Richmond, Que.
McPhail, J. A., B.A., Orwell, P.E.I.
Parke, G. H., Quebec, Que.
Robertson, E. A., Lennoxville, Que.
Robertson, T. F., Brockville, Ont.
Shirriff, G. R., Huntingdon, Que.
Sinclair, O. W., Bridgetown, N.B.
Smith, C. F., West Winchester, Ont.
Smith, T. H., North Sidney, C.B.
Sparling, A. J., Pembroke, Ont.
Spier, J. R., Lindsay, Ont.
Troy, W., Valleyfield, Ont.
Tunstall, C. A., Montreal, Que.
Watson, N. M., Williamston, Ont.
Webster, R. E., Brockville, Ont.
Williamson, W. P., Chatham, Ont.



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PASSED THE PRIMARY EXAMINATIONS.

Aylen, E. D.
Blunt, H. V.
Bostwick, W. E.
Brown, J. A.
Cameron, J. D.
Deeks, W. E., B.A.
Dewar, A. T.
Dewar, G. F.
Du Vernet, E.
Fleming, G. W.
Girdlestone, G. W.
Goff, H. N.
Gunter, F. B.
Henderson, J. A.
Hewetson, S. W.
Holden, D B.
Jamieson, W. H.
Lawrence, J. W.
Lindsay, W.
Livingstone, H. A.
Martin, S. H.
Mackay, R. B., B.A.
Mackenzie, S. R.
McArthur, A. D.
McCann, A. E. A.
McLennan, K.
McMillan, W.
McMorine, R. F.
McPhail, J. A.
Patterson, W.
Rorke, R. F.
Semple, E J.
Seguin, J. W. A.
Scane, J. W.
Shaw, G F.
Shaw, T. P.
Smith, T. H.
Tomkins, J. E. C.
Walker, J. L.
Watson, N. M.
Wilson, R.
Wilson, R. D.

## FACULTY OF ARTS.

PASSED FOR THE DEGREE OF B.A.

*In Honours.*

*First Rank.*—LeRossignol, Walter J.

*Ordinary.*

*McGill College.*

*Class I.*—McGregor, John M.
Gunn, William Thos.
Warne, James F.
Robins, Lilian Bertha.
Pattison, Mary L.

*Class II.*—Moffatt, Eva L.
MacDougall, Gordon W.
Oliver, William.
Smith, G. Louise.
Hall, Elizabeth.
McGregor, Elizabeth Bethia.
Ellenwood, William Roger.
Pidgeon, George Campbell.
Hall, Richard S. } equal.
Tees, John. } equal.
Warne, William A. } equal.
Holden, Arthur R. } equal.
Moore, Levi. } equal.
Young, Henry C. } equal.

*Class III.*—Cole, Arthur A. } equal.
Russell, Andrew. } equal.
Dobson, John R. } equal.
Hipp, Edmund Gregory. } equal.
Whyte, James T. } equal.

ELLIOTT, EDWARD A.
GOFF, HARRY NEVILLE.
MCCULLOUGH, ROBERT.
MCLEAY, ALFRED A.
*Aegra.*—MACMILLAN, HELENA.

*Morrin College.*

*Class II.*—BROWN, MARTHA L.

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ADMITTED TO THE DEGREE OF LL.D. "*Honoris Causâ.*"

GEORGE MERCER DAWSON, LL.D. (Kingston), D.Sc. (Princeton); A.R.S.M., Assistant Director of the Geological Survey of Canada.

REV. MOSES HARVEY, Newfoundland.

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PASSED THE INTERMEDIATE EXAMINATION.

*McGill College.*

*Class I.*—JAMES, AGNES.
GORDON, JOHN.
MANSUR, CHARLES.
BROWN, JAMES.
SMARDON, CHARLOTTE.
*Class II.*—MAHAFFY, ALBERT.
LEROSSIGNOL, MARY.
REAY, JANET.
WILSON, KATE, } equal.
HICKSON, J. W. A.
FAIRCLOUGH, ELIZABETH.
JACKSON, ANNIE L.
MCIVER, E. J.
GURD, CHARLES C.
MILLAR, EDITH M.
SEYMOUR, MARTHA.
HONEYMAN, H. A.
LEE, MABEL.
SKEELS, ALBEE A.
TOWNSEND, WILLIAM McN
DONAHUE, WILLIAM.
KILLALY, H. N.
*Class III.*—SMITH, EDWARD F.
BROWN, CECIL L.
HUTCHISON, DAVID.
MUIR, PETER D.
BRITTAIN, ISABEL.

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INTERNOSCIA, JEROME, *s.*
MACDONALD, JESSIE H., *s.*
MCGERRIGLE, J. A., *s.*
MCVICAR, ARCHIBALD, *s.*
MCVICAR, ROBERT, *s.*
PRATT, FRANCIS, *s.*

*s.*—With supplemental Examination in one subject. Arranged alphabetically.

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*Morrin College.*

*Class I.*—None.
*Class II.*—MACADAM, MARGARET.
BRODIE, ALEXANDER.
*Class III.*—GALE, ETHEL.
CHAMBERS, E. J.

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*St. Francis College.*

*Class I.*—None.
*Class II.*—HEWITT, EDITH.
*Class III.*—PRENDERGAST, A. R.

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## FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

### Civil Engineering *Advanced Course.*

IN ORDER OF MERIT.

ERNEST ALBERT STONE, ROBERT BICKERDIKE.

### Civil Engineering (*Ordinary Course*).

IN ORDER OF MERIT.

ERNEST ALBERT STONE, ROBERT BICKERDIKE, WILLIAM JARDINE BULMAN, JOHN EDWARD SCHWITZER.

### Mechanical Engineering.

IN ORDER OF MERIT.

PERCY HOWE MIDDLETON and HENRY MARTYN RAMSAY, equal; THOMAS HENRY WINGHAM, MILES LAWRENCE WILLIAMS.

*Special Examination.*—DUNCAN D. MCTAGGART.

### Mining Engineering.

IN ORDER OF MERIT.

WILLIAM HENRY HOWARD WALKER, HUGH YELVERTON RUSSEL.

# FACULTY OF VETERINARY SCIENCE.

PASSED FOR THE DEGREE OF D. V. S.

FROM PREVIOUS SESSIONS.

Paul Paquin, Bactereologist and Professor of Veterinary Science, Agricultural College, Columbia, Mo.

A. R. Rowat, Chief Veterinarian to the Government of Honolulu, S. I.
Peter Cummings, Lecturer of Anatomy, Quebec Veterinary College. John Robertson, Veterinary Surgeon 2nd U. S. Cavalry.
John Ryan, Lecturer Chicago Veterinary College, Chicago, Ill., U. S.
Charles R. Simpson, Charlestown, Mass.
James B. Paige, Lecturer of Veterinary Medicine, Amherst Agricultural College, Amherst, Mass.
Archibald A. Keys, Minneapolis, Minn., U.S.
Edward C. Crevier, Peterborough, Ontario.

SESSION OF 1890-91.

SIDNEY S. TWOMBLY
JON. A. MCCRANK
DAVID ST. LOUIS
THOMAS B. MCDONALD
THOMAS C. SIMPSON
JOHN WATSON
GEORGE E. MACAULAY
A. W. GORHAM
DONALD D. MCDONALD
CHARLES M. HIGGINSON
DAVID B. COMSTOCK
GEORGE TOWNSEND
GEORGE A. MILLER

UNIVERSITY LIBRARY

# Scholarships and Exhibitions.

SESSION 1890-91.

## FACULTY OF ARTS.

### I. Scholarships (Tenable for two years).

| Year of Award. | Names of Scholars. | Subject of Examination. | Annual Value. | Founder or Donor. |
|---|---|---|---|---|
| 1889 | LeRossignol, W. J. | Class.& Mod.Lang | $125 | W. C. McDonald. |
| 1889 | McGregor, J. M. | Class.& Mod.Lang | 120 | Chas. Alexander. |
| 1889 | Gunn, W. T. | Nat. Science | 125 | W. C. McDonald. |
| 1890 | Wood, Arthur B. | Mathematics. | 125 | W. C. McDonald. |
| 1890 | Robins, George D. | Mathematics. | 125 | W. C. McDonald. |
| 1890 | Cushing, Harold B. | Nat. Science. | 125 | W. C. McDonald. |
| 1890 | Archibald, E. | Class.& Mod.Lang | 125 | W. C. McDonald. |
| 1890 | Kollmyer, W. H. | Class.& Mod.Lang | 120 | Barbara Scott. |

### II. Exhibitions (Tenable for one year).

| Names of Exhibitioners. | Academic Year. | Annual Value. | Founder or Donor. |
|---|---|---|---|
| Fairclough, Elizabt. | Second | $125 | W. C. McDonald. |
| Brown, James. | " | 125 | George Hague. |
| *Craig, W. W. | First | 125 | W. C. McDonald. |
| *Dickson, E. H. T. | " | 125 | W. C. McDonald. |
| *Graham, Angus | " | 100 | Major Mills. |

W. C. McDonald Bursaries, value $62.50 each, were awarded to:—

McIvor E. J. (2nd year).

*Blackett John (1st year).

Dickson Sydney (1st year).

* The Governor-General's exemptions from Tuition Fees for four years were awarded to the Students thus indicated.

# Prizes, Honours and Standing.

SESSION 1890-1891.

## FACULTY OF LAW.

GRADUATING CLASS.

### THIRD YEAR.

PASSED FOR THE DEGREE OF B.C.L.

Hibbard, Frederick William, B.A., Dunham, Q.; Elizabeth Torrance Gold Medal and First Prize of $50.

Hatchette, Francis Joseph, Montreal; Prize for Thesis, Second Prize of $25.

Geoffrion, Victor, Montreal.

### SECOND YEAR.

PASSED IN ORDER OF MERIT.

Ryan, Percy, Ottawa; First Prize of $50.

Hutcheson, Robert Bennet, Montreal; Second Prize of $25.

Truell, Harry V., B.A., Barnston, Q.

### FIRST YEAR.

PASSED THE SESSIONAL EXAMINATIONS, IN ORDER OF MERIT.

Cameron, John Alexander, B.A., Huntingdon, Q.; Scholarship, value $100.

Davidson, Peers, B.A., Montreal; Prize of $50.

Geoffrion, Aimé, Montreal; Prize of $25.

Hall, Alexander Rives, B.A., Cote St. Antoine.

Johnson, Alexander Ronald, B.A., Montreal.

Passed in the following subjects:—Roman Law, Criminal Law, Real Estate Law, Law of Sales, Law of Contracts, Legal History and Bibliography, Notarial Law, Civil Law (Gifts and Wills), Railway Law, Civil Law (Law of Persons).

Harwood, C. A.; Jacobs, S. W.

Passed in Roman Law, Criminal Law, Law of Real Estate, Commercial Law (Sales and Bills and Notes). Law of Contracts, Legal History and Bibliography, Civil Law (Gifts and Wills and Law of Persons) Railway Law.

Curran, F. J.

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Passed in Roman Law, Criminal Law, Law of Real Estate, Commercial Law (Sales), Law of Contracts, Legal History and Bibliography, Civil Procedure, Civil Law (Gifts and Wills and Law of Persons) Railway Law.

Glass, L. J.

Passed in Roman Law, Criminal Law, Law of Real Estate, Law of Sales, Law of Contracts, Legal History and Bibliography, Notarial Law, Civil Law (Gifts and Wills) and (Law of Persons).

Maynard, Etienne.

STANDING IN THE CLASSES.

ROMAN LAW.—Professor N. W. TRENHOLME, M.A., D.C.L., Dean of the Faculty.

*Third Year.*—(First Paper) :—Hatchette, Hibbard, Geoffrion V.
(Second Paper) :—Hibbard, Hatchette, Geoffrion V.

*Second* " (First Paper) :—Truell, Ryan, Hutcheson.
(Second Paper) :—Truell, Ryan, Hutcheson.

*First* " Cameron, Davidson, Geoffrion A., Curran, Guerin, Hall, Harwood, Glass, Maynard, Johnson, Jacobs.

CRIMINAL LAW.—Professor N. W. TRENHOLME, M.A., D.C.L., Dean of the Faculty.

*Third Year.*—Hibbard and Hatchette, equal; Geoffrion V.

*Second* " Truell, Ryan, Hutcheson.

*First* " Davidson and Hall, equal; Cameron, Johnson, Jacobs, Glass, Harwood, Geoffrion A., Guerin, Curran, Maynard.

LAW OF REAL ESTATE.—Professor HON. J. S. C. WURTELE, D.C.L.

*Third Year.*—Hatchette, Geoffrion, Hibbard.

*Second* " Ryan, Hutcheson, Truell.

*First* " Cameron, Geoffrion A., Davidson, Harwood, Glass, Johnson, Hall, Curran, Guerin, Maynard, Jacobs.

COMMERCIAL LAW (*Sales*).—Professor JOHN S. ARCHIBALD, M.A., D.C.L., Q.C

*Third Year.*—Hibbard, Geoffrion V., Hatchette.

*Second* " Ryan, Truell, Hutcheson.

*First* " Geoffrion A.; Davidson and Harwood, equal; Johnson, Cameron, Curran, Hall, Glass, Guerin, Jacobs, Maynard.

COMMERCIAL LAW (*Bills, Notes and Cheques*).—Professor L. H. Davidson, M.A., D.C.L., Q.C.

*Third Year.*—Hibbard, Hatchette, Geoffrion V.

*Second* " Ryan, Hutcheson, Truell.

*First* " Cameron, Geoffrion, Hall, Davidson, Curran, Johnson, Ringland.

LAW OF CONTRACTS.—Professor C. A. GEOFFRION, B.C.L., Q.C.

*Third Year.*—Hatchette; Geoffrion and Hibbard, equal.

*Second* " Hutcheson and Ryan, equal; Truell.

*First* " Davidson and Hall, equal; Cameron and Geoffrion and Howard, equal; Johnson, Curran, Maynard, Jacobs, Guerin, Glass.

LEGAL HISTORY AND BIBLIOGRAPHY.—Professor ARCH. MCGOUN, M.A., B.C.L.

*Third Year.*—Hibbard, Hatchette, Geoffrion.

*Second* " Ryan, Hutcheson, Truell.

*First* " Davidson, Curran, Cameron, Hall, Johnson; Glass and Harwood and Geoffrion A., equal; Jacobs, Maynard.

CIVIL PROCEDURE.—Professor THOMAS FORTIN, LL.L.

*Third Year.*—Hibbard, Hatchette, Geoffrion V.

*Second* " Hutcheson, Ryan, Truell.

*First* " Davidson, Cameron, Geoffrion, Glass, Hall, Johnson.

NOTARIAL LAW AND PROCEDURE.—Professor W. DEM. MARLER, B.A., B.C.L.

*Third Year.*—Hibbard, Hatchette, Geoffrion V.

*Second* " Hutcheson, Ryan, Truell.

*First* " Cameron, Hall, Geoffrion, Davidson, Harwood, Johnson, Jacobs, Maynard.

RAILWAY LAW.—Professor HARRY ABBOTT, B.C.L., Q.C.

*Third Year.*—Hibbard, Hatchette, Geoffrion V.

*Second* " Ryan, Hutcheson, Truell.

*First* " Davidson, Hall, Cameron; Jacobs and Curran, equal; Glass, Geoffrion A., Johnson, Harwood.

CIVIL LAW (*Gifts and Wills*).—Professor C. J. DOHERTY, B.C.L., Q.C.

*Third Year.*—Hibbard, Hatchette, Geoffrion V.

*Second* " Ryan, Hutcheson, Truell.

*First* " Cameron and Davidson, equal; Geoffrion A., Harwood; Hall and Glass, equal; Johnson, Curran, Maynard, Jacobs, Guerin.

CIVIL LAW (*Persons*).—Professor EUGÈNE LAFLEUR, B. A., B.C.L.

*Third Year.*—Hibbard, Geoffrion V., Hatchette.

*Second* " Ryan, Truell, Hutcheson.

*First* " Davidson, Geoffrion A.; Cameron and Harwood, equal; Curran; Glass and Maynard, equal; Guerin; Hall and Jacobs, equal; Johnson.

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## FACULTY OF MEDICINE.

The Holmes Gold Medal for the best Examinations in all the Branches comprised in the Medical Curriculum is awarded to W. A. Brown of Chesterville, Ont.

The Prize for the Best Examination in the Final Branches is awarded to William Fawcett Hamilton of Sackville, N.B.

The Prize for the best Examination in the Primary Branches is awarded to W.E. Deeks of Williamsburg, Ont.

The Clemesha Prize in Clinical Therapeutics is awarded to W. S. Morrow of Halifax, N. S.

The Sutherland Gold Medal is awarded to J. A. Henderson.

The following, arranged in order of merit, deserve honorable mention:—

In the Primary Branches:—Henderson J. A., MacKay R. B., Yearwood C. McLennan K., Scane J. W., Dewar A. T., Patterson W., Aylen E. D, Wilson Robt., Cameron J. D., Rorke R. F., Bostwick W. E., and MacArthur A. D.

In the final Branches:—Hattie W. H, Morrow W. S., Bowie R. A., Clemesha J. C., Hewetson J., Troy Wm., Busby J., Dewar A., Robertson E., Grafton E. A., Robertson T. F., Spier J. R., Smith C. F., Kelly C. I.

PROFESSOR'S AND DEMONSTRATOR'S PRIZES.

Botany.....A. Davidson.
Senior Anatomy.....J. A. Henderson.
Junior Anatomy.....A. A. Robertson.
Clinical Chemistry.....B. F. Boyce.
Zoology.....G. H. M. Manchester.

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## FACULTY OF ARTS.

GRADUATING CLASS.

*B. A. Honours in Mental and Moral Philosophy.*

Le Rossignol, Walter J.—First Rank Honours and Prince of Wales Gold Medal.

*Gold Medal and Special Certificates for First Rank General Standing.*

McGregor, John M.—Special Certificate, Lord Stanley Gold Medal.

Gunn, William T.—Special Certificate.

Warne, James F.—Special Certificate.

Robins, Lilian Bertha.—Special Certificate.

Pattison, Mary L.—Special Certificate.

THIRD YEAR.

Wood, Arthur B.—First Rank Honours and Prize in Mathematical Physics; First Rank General Standing; Prize in Classics.

Kollmyer, W. Hector.—First Rank Honours and Prize in Classics; First Rank Honours and prize in Mental and Moral Philosophy; First Rank General Standing.

Archibald, Edward W.—First Rank Honours in Modern Languages; First Rank General Standing; Prize in German; Prize in English Literature.

Cushing, H. B.—First Rank Honours and Prize in Natural Science; First Rank General Standing; Prize in Zoology.

PITCHER, ETHELWYN.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing; Prize in English.

CAMPBELL, KATE M.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing.

MITCHELL ROBERT J. W.—First Rank Honours in Naturnal Science; First Rank General Standing.

MESSENGER, WILLIAM J.—First Rank Honours and Prize in English Language, Literature and History.

TATLEY, ELEANOR.—First Rank Honours and Prize in Natural Science; Prize in Zoology.

DRUM, LORNE.—First Rank Honours and Prize in English Language, Literature and History.

PARKER, EDWIN G.—First Rank Honours in English Language, Literature and History.

DAVEY, R. G.—First Rank Honours and Prize in Mental and Moral Philosophy.

BARRON, ROBERT H.—First Rank General Standing; Prize in Classics.

ROBINS, GEORGE D.—First Rank General Standing.

REEVES, A. C.—First Rank General Standing; Prize in Hebrew.

ROSS, R. O.—Neil Stewart Prize in Hebrew.

RAYNES, ETHEL.—Prize in English.

PASSED THE SESSIONAL EXAMINATIONS.

Barron, Wood, Kollmyer, Archibald; Cushing and Pitcher, equal; Campbell (K.), Robins (G. D.), Reeves, Mitchell, Ross, Jaquays, Taylor; Messenger and Raynes, equal; Pritchard, Tatley, Drum, Parker, Davey, Hamilton; Mackenzie and MacLennan, equal; Blachford and Brown, equal; Williams and Davidson, equal; Mewhort; Anderson and Leach, equal; Graham; Carmichael and Smyth, equal; Colquhoun, Jekyll, Allen.

SECOND YEAR.

BROWN, JAMES T.—(Huntingdon Academy, P. Q.)—First Rank Honours and Prize in Mathematics; First Rank General Standing.

FAIRCLOUGH, ELIZABETH M.—(Hamilton Collegiate Institute).—Second Rank Honours and Prize in Mathematics.

JAMES, AGNES S.—(McGill Normal School).—First Rank General Standing Prize in Greek; Prize in English and History; Prize in Botany.

GORDON, JOHN.—(Prince of Wales' College, Charlottetown, P. E. I.)—First Rank General Standing; Prize in Psychology and Logic; Prize in Hebrew.

MANSUR, CHARLES.—Standstead Wesleyan College.—First Rank General Standing; Prize in Botany.

SMARDON, CHARLOTTE.—(McGill Normal School).—First Rank General Standing

REAY, JANET A.—(McGill Normal School).—Prize in Psychology and Logic.

JACKSON, ANNIE L.—(Misses Symmers and Smith.)—Prize in German; Prize in French.

SEYMOUR, MARTHA.—(Mrs. Lay's School.)—Prize in Latin.

HONEYMAN, H. A.—Prize in French.

LEE, MABEL.—Hight School, Quebec.—Prize in Botany.

SKEELS, ALBEE A.—Prize in Latin; Prize in French.

MCGILL UNIVERSITY LIBRARY

PASSED THE SESSIONAL EXAMINATIONS.

James, Gordon, Mansur, Smardon, Brown (J.), Mahaffy, LeRossignol; Reay and Wilson, equal; Hickson, Fairclough, Jackson, McIver, Gurd, Millar, Seymour, Honeyman, Lee, Skeels, Townsend, Donahue, Killaly, Smith, Brown (C. L.), Hutchison, Muir, Brittain, Internoscia *s*, Macdonald *s*, McGerrigle *s*, McVicar (A.) *s*, McVicar (R.) *s*, Pratt *s*.

*s*.—With Supplemental in one subject—arranged alphabetically.

FIRST YEAR.

Smith, Alistair.—(Petticodiac School, N. B.)—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in German; Charles G. Coster Memorial Prize.

Dickson, E. H. Trenholme.—(Private Tuition).—Second Rank Honours and Prize in Mathematics.

Dickson, Sydney M.—(St. Francis College, Richmond).—Second Rank Honours and Prize in Mathematics.

Davis, David T.—(Montreal High School).—First Rank General Standing; Prize in Greek; Prize in English; Prize in French; Prize in Roman History; Prize in Chemistry.

Craig, William W.—(Montreal High School).—First Rank General Standing; Prize in Latin.

Gyde, Lilian K.—(McGill Normal School).—Prize in French; Prize in Roman; History; Prize in Chemistry.

Day, Frank J.—(Private tuition).—Prize in Hebrew.

PASSED THE SESSIONAL EXAMINATION.

Davis, Smith, Craig (W. W.), Graham (A.), Blackett, Ogilvy, Gyde, Radford, Dickson (S. M.), Dickson (E H. T.), Day, Barlow, Hanran, Graham (F. H.), Craig (M.), Warner, Bremner, Stewart (J C.), Harvey, Fraser, Bickerdike *s*, Hopkins *s*, Howell *s*, Lewis *s*, McGregor *s*, Mackenzie *s*, Naylor *s*, Rodger *s*, Seymour *s*, Shaw (C. M.) *s*, Shaw (S. L.) *s*, Spearman *s*.

*s*.—With supplemental Examinations in one subject—arranged alphabetically.

SPECIAL PRIZE.

*Charles G. Coster Memorial Prize.*—To that undergraduate of the First, second and third Year, from the Maritime Provinces, who, in the opinion of the Faculty, has passed the most satisfactory Sessional Examination.—Smith (Alistair), New Brunswick.

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AWARD OF SCHOLARSHIPS AND EXHIBITIONS, SEPTEMBER, 1890.

I. Third Year.—Scholarships (tenable for two years).

*Mathematical Scholarships.*—*Wood, A. B., *Robins, G. D.

*Natural Science Scholarships.*—*Cushing, H. B.

*Classical and Modern Languages Scholarships.*—*Archibald, E. § Kollmyer, W. H.

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*Annual value of Scholarship or Exhibition, $125; founder, Mr. W. C. McDonald.

II.—SECOND YEAR.—EXHIBITIONS (tenable for one year).

‡ Fairclough, Elizabeth, Hamilton Collegiate Institute, O.

† Brown, James, Huntingdon Academy, Q.

BURSARY.

§§ McIver, E. J., Montreal High School, Q.

III. FIRST YEAR.—HIGHER ENTRANCE AND EXHIBITION EXAMINATIONS.

*Class I.*—*Craig, W. W., Montreal High School, *Exhibition.*

*Dickson, E. H. Trenholme, Private Tuition, *Exhibition.*

†† Graham, Angus, Glencoe High School, *Exhibition.*

*Class II.*—§§ Blackett, John, Huntingdon Academy, *Bursary.*

§§ Dickson, Sydney, St. Francis College, *Bursary.*

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## SESSIONAL EXAMINATIONS, 1891.

### McGILL COLLEGE.

*The mark* in the following list indicates Partial or Occasional Students.*

GREEK.

B.A. ORDINARY.—*Class I.*—Gunn, Pattison, Robins (Lilian L.), McGregor (John M.), Ellenwood. *Class II.*—Hall (R. S.) and Holden, equal; Dobson and McGregor (E. B.), equal; Tees; Moore and Pidgeon, equal; Oliver, Young, Hipp, Cole. *Class III.*—McLeod, Ellicott, Russell.

THIRD YEAR.—*Class I.*—Barron and Kollmyer and Wood (*Prizes*), equal Robins (Geo. D.), Reeves, Campbell (Katharine M.). *Class II.*—Ross (R. O. R.), Williams, Brown. *Class III.*—Taylor, Parker; Hamilton and Pritchard, equal; Ellicott, Blachford, McLennan, Colquhoun Anderson, Jekill.

SECOND YEAR.—*Class I.*—James (*Prize*), Mansur, Mahaffy, Skeels, McIver Fairclough, Gordon. *Class II.*—Gurd and Smardon, equal; Hickson Reay; Donahue; Lee and Millar, equal; Wilson, Brown (J. T.). *Class III.*—Pratt, Ballantyne; Adams (J. R.) and Honeyman and Hutchison, equal; Brittain and McVicar (R. M.), equal; Smith, Townsend, McVicar (A.), Killaly; Brown (C. L.) and Robertson, equal; McGerrigle, Patterson, Muir, Munn.

FIRST YEAR.—*Class I.*—Davis (*Prize*); Dickson (S. M.) and Blackett, equal; Craig (W. W.), Graham (A.), Smith. *Class II.*—Dickson (E. H. T.), Hanran, Hopkins, Graham (F. H.); Barlow and Gyde, equal; Lewis and Parmalee, equal; Craig (M.). *Class III.*—Bremner and Day, equal; Bickerdike, Howell, Naylor, Duclos, Shaw, Fraser; Cleland and Harvey equal; Boyd (R.), Stewart (J. C.), Bond; Lambly and McGregor and Rodger, equal.

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*Annual value of $120.—Founder, Miss Barbara Scott.

† do $125.—Donor, Mr. George Hague.

‡ do $100.—(*Donalda Dept.*) Donor, Sir Donald Smith.

†† do $100.—Founder, Major Mills.

Value of *Bursary*, $62.50.—Donor, Mr. W. C. McDonald.

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LATIN.

B.A. ORDINARY.—*Class I.*—Ellenwood and Moffatt, equal; McGregor (Jno. M.) and Pattison, equal; Warne (John F.), Robins (Lilian B.). *Class II.*—Hall (Elizabeth G.) and McDougall and Smith, equal; Oliver, Hall (R. S.), Moore; McGregor (E. B.) and Young, equal. *Class III.*—Warne (W.A.) Guthrie, McLeay.

THIRD YEAR.—*Class I.*—Barron and Kollmyer and Wood (*Prizes*), equal; Archibald; Reeves and Robins (Geo. D.), equal; Cushing, Campbell (Kath. M.), Pitcher. *Class II.*—Johnson, Raynes; Macdonald and Mitchell, equal; Angus and Davidson, equal. *Class III.*—Jaques, Mewhort, Drum, Tadley, Leach; Carmichael and Smyth, equal; Lyman, Allen, Graham.

SECOND YEAR.—*Class I.*—Seymour, Skeels (*Prize*); Jackson and James, equal Mahaffy, Hickson, Fairclough, Mansur; Brown (J. T.) and Le Rossignol equal. *Class II.*—Smardon, Townsend; Brown (C. L) and Millar equal; Gordon, Lee, Pratt; Donahue and Honeyman and Wilson, equal; Gurd; Killaly and McIver and Reay, equal. *Class III.*—Brittain, Smith Muir; Ballantyne and McGerrigle, equal; McVicar (R. M.); Munn, and Patterson, equal; Hutchison, Internoscia, Robertson, McCoy.

SECOND YEAR.—(*Latin Prose Composition*).—*Class I.*—Mahaffy, Gordon, Mansur, Hickson; Muir and Seymour and Skeels, equal. *Class II.*—Brown (J. T.) and James, equal; Le Rossignol; Donahue and Townsend, equal; Smith, Fairclough; Jackson and Pratt, equal; Ballantyne and Honeyman, equal. *Class III.*—Hutchison and Wilson, equal; Brown (C. L.) and McIver, equal; Gurd; Killaly and Lee and McGerrigle and McVicar (R. M.) and Millar, equal; Patterson, Smardon, McDonald. Internoscia; Brittain and McVicar (A.) and Reay, equal.

FIRST YEAR.—*Class I.*—Seymour, Craig (W. W.) (*Prize*), Davis(*Prize*), Graham (A.), Bickerdike, Smith; Dickson (S. M.) and Gyde, equal; Graham (F. H.). *Class II.*—Blackett; Dickson (E. H. T.) and Ogilvy (I.), equal; Hanran and Parmealee and Radford, equal; Hopkins, Warner; Barlow and Bremner and Craig (M.), equal. *Class III.*—Mackenzie and Solomon equal; Spearman, Hargrave, Howell, Lewis; Day and Naylor, equal Shaw (L.), Stewart (J.C.), Brown; Cleland and Duclos, equal; Harvey; Ogilvy (C.), Shaw (C. M.); Bond and Fraser (F. C.) and McGregor, equal.

ROMAN HISTORY.

FIRST YEAR.—*Class I.*—Davis (*Prize*) and Gyde (*Prize*), equal; Craig (W. W.) and Smith, equal; Solomon; Bickerdike and Graham (A.) and Hanran, equal; Blackett, Radford. *Class II.*—Dickson (S. M.) and Hargrave and Parmealee and Seymour, equal; Dickson (E. H. T.), Bond; Graham (F. H.) and Shaw (C. M.), equal; Barlow and Hopkins and Ogilvy (J.), equal; Warner, Bremner; Mackenzie and Rodger, equal; Day and Duclos and Shaw (L.), equal. *Class III.*—Craig (M.), Fraser, Stewart (J. C.), McGregor, Lewis, Clendinning; Harvey and Spearman, equal; McPherson, Lambly; Brown and Church and Howell, equal.

MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—(*Moral Philosophy*).—*Class I.*—Warne (J. F.); Gunn and Le Rossignol (W.J.), equal; MacDougall, Robins, Pidgeon, Pattison, Hall (R. S.); Warne s W. A.) and Smith (G. L.), equal; McGregor (J. M.) *Class II.*—Oliver, Hall (B)., Young, McGregor (E. B.); Moffatt and Tees, equal; *Tener, Russell. *Class III.*—McMillan; Guthrie and Ellenwood, equal; Dobson; Goff and Moore and Holden, equal; Whyte (J. T.), Hipp, *Elliott; Cole and Craik, equal; MacLeay; McCullough and McLeod (N.), equal; *Eadie.

THIRD YEAR.—(*Mental Philosophy*).—*Class I.*—Kollmyer and *Le Rossigno (A. E.) and Pitcher, equal; Campbell (K.), Davey; Cushing and *McKinley, equal; Mackenzie, Pritchard; *McArthur and Messenger, equal; *Class II.*—Anderson, Ross, *Burke. *Class III.*—Hamilton and Jekill equal; Colquhoun, Parker; *Barnby and McLennan and *Sanderson equal; *Logan and Taylor, equal; Allen, Carmichael, Campbell (R.) de *Aikenhead and *Murray, equal; *Burnett, *Adams, Brown.—*Aegra* MacDonald.

*Prizes:*—Kollmyer, Pitcher, Campbell (K.), Davey.

SECOND YEAR.—(*Logic*).—*Class I.*—Reay, MacIver, Vaughan; Brown (J.) and Le Rossignol (M.) equal; James; Gordon and Smurdon, equal. *Class II.*—Mansur; Killaly and Fairclough, equal; Seymour and Wilson, equal Donahue, Jackson; Brown (C. L.) and Gurd, equal; Honeyman. *Class III.*—Townsend; Muir and Millar, equal; Ballantyne; Mahaffy and Skeels, equal; Munn; Hickson and Smith, equal; Pratt; McGerrigle and MacVicar (A.), equal; Internoscia and MacVicar (R. M.), equal; Aikenhead and Lee (M.), equal; Macdonald (J.); Adams (J. R.) and Jones and Brittain, equal; MacInnes and Robinson, equal; Grisbrook and Walker, equal; Sanderson; Hutchison and Ewan, equal; Morison Strong.

*Prizes:*—Reay, Gordon.

EUROPEAN HISTORY.

B.A. ORDINARY.—*Class I.*—Gunn, Warne (J. F.), MacDougall, Warne (W. A.) Holden, Pidgeon. *Class II.*—Cole, Smith, Guthrie, Moffatt, Russell Whyte (J. T.), Craik, Tees. *Class III.*—Elliott (E.); Moore (L.) and McCullough, equal; MacLeay, Goff.

ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Archibald (*Prize*) and Messenger, equal; Pitcher and Raynes, equal (*Prizes*); Parker, Drum, Taylor, Mitchell, Macdonald. *Class II.*—Mewhort, Blachford, MacLennan; Carmichael and Leach equal. *Class III.*—Jekill and Ross, equal; Allen, Graham, Lyman, Davidson.

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ENGLISH LITERATURE AND HISTORY.

SECOND YEAR.—*Class I.*—James (*Prize*) and *Hendrie, equal; LeRossignol, McIver, Gordon, Donahue; Hutchinson and Townsend and Lee, equal; Gurd and Mahaffy and Seymour and Skeels, equal; Wilson; Hickson and Milla and Reay and Smardon, equal. *Class II.*—Grisbrooke; Killaly and Mansur, equal; Ballantyne and Smith, equal; Honeyman, McVicar (A.), Brown (J. T.); *Mervyn and Muir, equal; Brown (C. L.) and Fairclough and Munn, equal; Jackson, McVicar (R. M.). *Class III.*—Pratt; Brittain and Macdonald and Robertson, equal; Internoscia and Morison and Patterson, equal; Elliott and McGerrigle, equal.

ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—Davis (*Prize*), Craig, Messenger; Lewis and Ogilvy (I.) and Smith, equal; Barlow. *Class II.*—Strong, Gyde; Blackett and Day, equal; Naylor; Mackenzie and Radford, equal; Hanran, Murphy. *Class III.*—Graham (A.), Cleland; Lambly and Parmelee and Rodger equal; Dickson (S. M.); Bickerdike and Graham (F.) and Ogilvy (C.) equal; Warner, Duclos; Clendinning and Stewart (J. C.), equal; Craig Dickson (T.); Fraser and Rickey and Stenning, equal; Howell; Brem ner and Shaw (S. L.) and Spearman, equal; Harvey; Blunt and Gilmour equal.

MECHANICS AND HYDROSTATICS.

B. A. ORDINARY.—*Class I.*—McGregor (J. M.), Robins (L. B.), Oliver, Moore Pattison. *Class II.*—Tees, Ellenwood, McGregor (E. B.), Smith (G.L.; Hipp and Moffatt, equal; Goff. *Class III.*—Dobson, MacDougall Whyte (J. T.), Holden, McLeay, Young, McCullough, Pidgeon, McLeod

THIRD YEAR.—*Class I.*—Barron and Wood, equal; Cushing, Robins, Kollmyer. *Class II.*—Jaquays, Taylor, Davey, Drum, Mackenzie. *Class III.*—Blachford, Williams, Raynes; Anderson and Davidson, equal; Allen, Tatley, Colquhoun, Graham (G. D.), Messenger, Carmichael, Smyth, Leach, Mewhort.

ASTRONOMY AND OPTICS.

B. A. ORDINARY.—*Class I.*—McGregor (J. M.), Warne (J. F.), Oliver, Hall (R. S.); Pattison and Robins, equal; Hall (E.). *Class II.*—Holden) Moore, Young, McLeay. *Class III.*—Tees, Warne (W. A.); Cole and, Ellenwood, equal; White (J. T.), Goff, McCullough, Dobson, McLeod.

THIRD YEAR.—*Class I.*—Wood, Robins. *Class II.*—Jaquays, Taylor. *Class III.*—Allen

EXPERIMENTAL PHYSICS. (*Electricity and Sound*)

B A. ORDINARY.—*Class I.*—Warne (J. F.), Oliver, McGregor (J. M.), Tees. *Class II.*—Hall (B.), Macdougall, Holden, Cole. *Class III.*—Warne (W. A.), Whyte (J. T.), Goff, Guthrie, Dobson, Hipp, McLeay, Hall (R. S.).

THIRD YEAR.—*Class I.*—Wood, Robins, Taylor. *Class II.*—Ferguson.*—*Class III.*—Williams, Davey, MacKenzie, Colquhoun; Anderson and Smyth, equal.

THIRD YEAR.—*Class I.*—Barron, Archibald, Campbell (R.) ; Angus and Blachford (A. C.) and Jaquays, equal ; Mitchell. *Class II.*—Davidson ; Graham and Raynes, equal ; Brown and Leach, equal. *Class III.*—Lyman, Smyth, Mewhort, Blachford (H.), Ellicott.

SECOND YEAR.—*Class I.*—Jackson (*Prize*); Honeyman *Prize*) and Skeels (*Prize*), equal ; Smardon, Wilson. *Class II.*—Hickson, Millar, Reay ; Donahue and James, equal ; LeRossignol, Internoscia, Brown (C.), McIvor ; Mansur and Seymour, equal. *Class III.*—Ballantyne and Brittain, equal ; Killaly ; Gurd and MacDonald, equal ; McVicar (R.) and Lee, equal ; Munn, McGerrigle, Thompson.

FIRST YEAR.—*Class I.*—Davis (*Prize*), Gyde (*Prize*), Craig (Wm. V.). *Class II.*—Duclos and Radford, equal ; Hanran and Hopkins, equal ; Hargrave and Parmelee, equal ; Blackett and Warner, equal ; Seymour, Craig (M.) ; Bickerdike and Bond and Mackenzie, equal. *Class III.*—Shaw (L.) Dickson (S. M.) ; Dickson (E. H. T.) and Shaw (C. H.), equal ; Murphy and Ogilvy (I.), equal ; Lewis ; Boyd and Lambly, equal ; Solomon ; Barlow and Brown, equal ; Ogilvy (C), Spearman, Stenning ; Fraser and Rodger, equal ; MacPherson.

GERMAN.

B. A. ORDINARY.—*Class I.*—*Turner, Ellenwood, Hall (E.). *Class II.*—None *Class III.*—MacMillan (H.).

THIRD YEAR.—*Class I.*—Archibald (*Prize*), Angus. *Class II.*—Tatley. *Class III.*—Ross (J. K.) and Williams, equal.

SECOND YEAR.—*Class I.*—Jackson (*Prize*), Seymour (M.) ; LeRossignol (M.) and Smardon, equal ; Reid (E. H.). *Class II.*—Seymour (J. L.). *Class III.*—MacDonald (J.).

FIRST YEAR.—*Class I.*—Seymour (C.), MacKenzie (*Prize*), Smith (*Prize*) *Class II.*—Ogilvy (Isa), Brown Jessie), Radford. *Class III.*—McLea, Hargrave, Solomon, Cochrane, Shaw (S. Louise), Harvey, Warner, Murphy, Howell.

HEBREW.

A. ORDINARY.—*Class I.*—Russell (A.), Gunn, Tener,* Pidgeon. *Class II.*—McLeod (N.), McCullough, Dobson, Hipp. *Class III.*—Craik (G.), Guthrie (D.).

THIRD YEAR.—*Class I.*—Ross, Reeves (*Prize*), Eadie.* *Class II.*—Beattie*, Pritchard, McKenzie, Hamilton. *Class III.*—Davey.

SECOND YEAR.—*Class I.*—Gordon (*Prize*), Burnett,* Mahaffy, McArthur,* Adams (R.). *Class II.*—Adams* (J. R.), Massicotte,* McKinley,* Elliott (E.), Barnby,* Muir, McVicar ; Hutchison (D.) and Grisbrook and Robertson, equal Townsend. *Class III.*—Pratt (F.), Patterson (W.), Rondeau,* Savignac*, Smith (E. F.), Clendinnen,* McLaren,* Sauvé (Albert).*

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Brown (J.), Gordon, Fairclough, Wilson, Hickson. *Class II.*—Mansur; Killaly and James, equal; Smith and Reay, equal; Honeyman and Smardon, equal; McGerrigle and Millar, equal; Townsend. *Class III.*—Mahaffy; Gurd and Jackson, equal; Brown (C. L., and Le Rossignol, equal; Thompson and McCoy, equal; MacDonald,) McVicar (A.); Munn and Brittain and Lee, equal; Donahue and Seymour, equal; Robertson, Patterson, Hutchison, McIver, Skeels, Internoscia, Pratt, Muir.

FIRST YEAR.—*Class I.*—Smith, Dickson (T.), Dickson (S.), Davis; Craig (W. W.) and Graham (A.) and Hopkins, equal. *Class II.*—Blackett and Ogilvy (C.), equal; Barlow; Boyd (R.) and Brown and Harvey, equal; Stewart (J. C.), Day, Ogilvy (I.), Naylor, Solomon. *Class III.*—Messenger, Gyde; Hanran and Shaw (L.), equal; Radford, MacKenzie, Rodger; Fraser and Seymour, equal; Duclos and Spearman, equal; Lambly, Bickerdike; Graham (F.) and Stenning and Warner, equal; Craig (M.) and Shaw (C.), equal; Gilmour; Hargrave and Rickey, equal; MacGregor, Parmelee, Howell, Bremner.

TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Fairclough, Brown (J.), Mansur, Wilson, Hickson, Gurd, Honeyman, Reay. *Class II.*—Gordon, Mahaffy, James, Jackson, Smith (E. F.); McIver and McVicar (A.), equal; Internoscia, McVicar (R.); Killaly and Macdonald, equal. *Class III.*—Lee, Townsend; Thompson and Smardon, equal; Muir and Brittain and Millar and Seymour, equal; Hutchison, LeRossignol, Robertson, Munn; Donahue and McGerrigle, equal; McCoy, Brown (C. L.), Pratt, Skeels.

FIRST YEAR.—*Class I.*—Smith; Blackett; Davis and Graham (A.), equal; *Class II.*—Craig (W. W.), Dickson (T.), *Class III.*—Dickson (S.), Day Radford, Bremner, Hopkins, Shaw (C.); Harvey and Messenger and Ogilvy (I.), equal; Craig (M.); Ogilvy (C.); Barlow and Naylor, equal; Boyd (R.), Stewart (I. C.), Seymour; Fraser and Lambly, equal; Hargrave, Rodger; Gyde and Lewis, equal; Graham (F.) and Hanran, equal Bickerdike and Warner, equal; MacGregor, Howell, Stenning, Spearman.

HONOUR EXAMINATIONS IN MATHEMATICS AND NATURAL PHILOSOPHY.

THIRD YEAR.—*First Rank Honours.*—Wood (*Prize*).

SECOND YEAR.—*First Rank Honours.*—Brown (James) (*Prize.*)
*Second Rank Honours.*—Fairclough (*Prize*).

FIRST YEAR.—*First Rank Honours.*—Smith (A. (*Prize*).
*Second Rank Honours.*—Dickson (E. Trenholme) (*Prize*), Dickson (Sydney) (*Prize*).

FRENCH.

B.A. ORDINARY.—*Class I.*—Moffatt, Smith. *Class II.*—Pattison, McGregor (E. B), Young. *Class III.*—Robidoux.

FIRST YEAR.—*Class I.*—Cleland, Day (F.) (*Prize*) Vaughan, Waller. *Cass II.*—Graham (F. H.), Graham (Angus), Bremner, Naylor, Burke. *Class III.*—Mervyn, Maynard (J.), Truax, McGregor, Boyd, Stewart (J. C.), Giroulx, Donaldson, Baker, Beauchamp, Ridgeway, Sincennes, Sauvé (Alfred).

GEOLOGY.

B.A. ORDINARY.—*Class I.*—Gunn and LeRossignol, equal; Robins, McDougall; McGregor (J. M.), Pattison; Hall (E.) and Warne (J.), equal. *Class II.*—Moffatt, McGregor (E. B.), Smith, Warne (W.), Oliver; Ellenwood and Flagg,* equal; Hall (R. S.), Cole, Pidgeon. *Class III.*—Craik and Morison, equal; Tener,* Eadie,* Elliott, Hipp, Russell.

ZOOLOGY.

THIRD YEAR.—*Class I.*—Cushing (*Prize*) and Tatley (*Prize*), equal; Barron and Lyman, equal; Campbell (K.), Jaquays, Pitcher, Mitchell, Williams, McArthur, McLellan, Bucke*, Ross (R. O.), Archibald, Taylor, McKinley,* Brown,* Smyth, McDonald, Raynes, Blachford, Leach, Pritchard Anderson, Elliott, Ross (J. K.), Davidson, Reeves. *Class II.*—Burnet,t* Hamilton, Mewhort, Drumm, Colquhoun, Graham, Parker, McInnes,* Carmichael, Messenger, Barnby,* Morison,* Sanderson,* Logan.* *Class, III.*—Beattie*, Jekyll, Campbell (R.)

BOTANY.

THIRD YEAR.—*Class I.*—Cushing, Tatley.

SECOND YEAR.—*Class I.*—Lee, (*Prize*) James, (*Prize*) Reay, LeRossignol, Mansur (*Prize*), Millar; Wilson and Gordon, equal; Gurd, Morison, *Brown (J.T.) Smardon and Ewan,* equal; Mahaffy. *Class II.*—Killaly, Townsend, Ballantyne; Hickson and MacIver and Vaughan,* equal; Clendinning Hutchison; Jackson and Honeyman, equal; McVicar (A.) and Smith, equal; Brown (C. L.). *Class III.*—Donahue, McCoy, Muir, Seymour Grisbrooke, Fairclough, Brittain, Internoscia, Skeels, Scott, Thompson, Irwin,* Robertson, Massicotte,* Wilkinson,* MacDonald, MacVicar (R. M.), Walker,* Jones,* Patterson.

CHEMISTRY.

FIRST YEAR.—*Class I.*—Davis (*Prize*), Craig (Wm.), McKinley, Graham (A.) Gyde (*Prize*); Ogilvy (I.) and Radford and Smith, equal. *Class II.*—Boyd (R.), Naylor; Barlow and Lewis, equal; Day. *Class III.*—Fraser and Hopkins and Strong, equal; Blackett; Brown and Burke, equal; Warner, Stewart (Jno.), Stenning; Craig (M.) and Dickson (T.) equal; Solomon, Seymour; Blunt (F. H.) and Boyd (L.), equal; Graham (F.) and McKenzie, equal; Harvey, McDuffee, Ogilvy (C.); Dickson (S.) and Shaw (L.), equal; McGregor and Rickey and Spearman, equal; Hanran and Shaw (C.), equal; Bremner, Rodger.

NOTE.—*The Prizes* in the Donalda Department are from the income of the Hannah Willard Lyman Memorial Fund.

## MORRIN COLLEGE.

### B.A. ORDINARY EXAMINATION.

GREEK.—*Class II.*—Brown.
LATIN.—*Class II.*—Brown.
MECHANICS AND HYDROSTATICS.—*Class III.*—Brown.
ASTRONOMY AND OPTICS.—*Class II.*—Brown. *Class III.*—Lindsay.
MORAL PHILOSOPHY.—*Class I.*—Brown. *Class II.*—None. *Class III.*—Lindsay.
FRENCH.—*Class III.*—Brown.
HEBREW.—*Class I.*—Lindsay.

### INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Brodie, Macadam. *Class II.*—Gale. *Class III.*—Chambers.
LATIN.—*Class I.*—Macadam. *Class II.*—Brodie, Gale. *Class III.*—Chambers.
LATIN PROSE COMPOSITION.—*Class II.*—Brodie. *Class III.*—Macadam; Chambers and Gale, equal.
TRIGONOMETRY AND ALGEBRA.—*Class II.*—Macadam, Brodie. *Class III.*—Gale Chambers.
GEOMETRY AND ARITHMETIC.—*Class III.*—Brodie, Macadam; Chambers and Gale, equal.
LOGIC.—*Class I.*—Macadam, Brodie, Gale. *Class II.*—None. *Class III.*—Chambers.
ENGLISH LITERATURE AND HISTORY.—*Class I.*—Macadam, Gale. *Class II.*—Chambers, Brodie.
FRENCH.—*Class II.*—Macadam; Brodie and Gale, equal; Chambers.

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## ST. FRANCIS COLLEGE.

### INTERMEDIATE EXAMINATION.

GREEK.—*Class III.*—Prendergast.
LATIN.—*Class II.*—Hewitt. *Class III.*—Prendergast.
LATIN PROSE COMPOSITION.—*Class III.*—Prendergast, Hewitt.
TRIGONOMETRY AND ALGEBRA.—*Class I.*—Hewitt. *Class II.*—None. *Class III.*—Prendergast.
GEOMETRY AND ARITHMETIC.—*Class II.*—Hewitt. *Class III.*—Prendergast.
LOGIC.—*Class II.*—Hewitt. *Class III.*—Prendergast.
ENGLISH LITERATURE AND HISTORY.—*Class I.*—Hewitt. *Class II.*—Prendergast.
FRENCH.—*Class II.*—Prendergast, Hewitt.
GERMAN.—*Class II.*—Hewitt.

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## STANSTEAD WESLEYAN COLLEGE.

### FIRST YEAR.

LATIN.—*Class III.*—McDuffee (M.).
ROMAN HISTORY.—*Class II.*—McDuffee (M.).
GEOMETRY AND ARITHMETIC.—*Class III.*—McDuffee.
TRIGONOMETRY AND ALGEBRA.—*Class III.*—McDuffee.
CHEMISTRY.—*Class III.*—McDuffee.
ENGLISH.—*Class II.*—McDuffee.
FRENCH.—*Class II.*—McDuffee.
GERMAN.—*Class II.*—McDuffee.

## GYMNASTICS.

*Wicksteed Medals for Physical Culture.*

*Silver Medal.*—W. OLIVER, 4th year.

*Bronze Medal.*—H. M. KILLALY, 2nd year.

*Honorable Mention.*—Cole (A.A.), Le Rossignol (W. G. L.), Coburn (A.D.) Murphy (D. A.), Brown (G. S.).

### DONALDA PRIZES FOR WOMEN.

Prize—E. SMITH
Prize—K. CAMPBELL
HON. MENTION—E. WILSON, M. Le Rossignol

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# FACULTY OF APPLIED SCIENCE.

### GRADUATING CLASS.

ERNEST ALBERT STONE.—British Association Gold Medal; British Association Exhibition; certificates of merit in Theory of Structures, Hydraulics, Designing and Materials. Prize for Summer Report.

ROBERT BICKERDIKE.—Certificate of merit in Designing and Materials.

PERCY HOWE MIDDLETON.—Stanley Silver Medal; certificates of merit in Steam, and Mechanical Drawing.

HENRY MARTYN RAMSAY.—Stanley Silver Medal (or Prize); certificate of merit in Designing.

THOMAS HENRY WINGHAM.—Prize for Summer report; certificate of merit in Materials.

WILLIAM HENRY H. WALKER.—First Rank Honours in Natural Science; certificates of merit in Materials and Assaying.

HUGH YELVERTON RUSSEL —Second Rank Honour in Natural Science; certificate of merit in Materials.

JOHN EDWARD SCHWITZER.—Certificate of merit in Materials.

### THIRD YEAR.

GEORGE SINCLAIR SMITH.—Prizes in Descriptive Geometry, Theory of Structures, Steam Machinery and Millwork, and Mechanical Drawing.

CHARLES B. KINGSTON.—Prizes for Summer Report, and Mining.

PETER HENRY LEROSSIGNOL.—Prizes in Practical Chemistry, Theoretical Chemistry, Experimental Physics, Mathematical Physics, Mineralogy and Blowpiping, and Zoology.

ELWORTH BOLTON.—Prize for Mathematical Work, (Transit)
HENRY B. STUART.—Prize for Mathematical Work, (Level)

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PASSED THE SESSIONAL EXAMINATIONS.

### Civil Engineering.

IN ORDER OF MERIT.

JAMES GEORGE R. WAINWRIGHT, ELLSWORTH BOLTON, JAMES TIGHE, HENRY B. B. STUART, PETER JOSEPH MURPHY.

### Mechanical Engineering.

IN ORDER OF MERIT.

GEORGE SINCLAIR SMITH, WILLIAM NORTON CUNNINGHAM, WILLIAM HENRY WARREN.

### Mining Engineering.

IN ORDER OF MERIT.

JOHN MURRAY MCGREGOR, CHARLES B. KINGSTON, JAMES G. PURVES.

### Practical Chemistry.

IN ORDER OF MERIT.

PETER HENRY LEROSSIGNOL, WALTER CHAMBLET ADAMS.

*Special Examination.*—ALONZO KLOCK.

SECOND YEAR.

HOWARD TURNER BARNES.—Prizes in Chemistry, Descriptive Geometry, Experimental Physics, Botany.
JOHN BURNS.—Prize in Mechanical Drawing.
LOUIS GREENBERG.—Prize in Surveying.
LOUIS HERDT.—Prizes in Mechanism and French.
ROBERT CLAUDE HOLMAN.—Prize in Mathematics.
JAMES ALEXANDER MACPHAIL.—Prizes in Mathematical Physics, Mathematics and Zoology.

PASSED THE SESSIONAL EXAMINATION.

### Civil Engineering.

IN ORDER OF MERIT.

JAMES ALEXANDER MACPHAIL, LOUIS GREENBERG, ALEXANDER SCOTT DAWSON, WILLIAM ARTHUR BOWDEN, ARNOLD JAMES RYAN, JOHN RANKIN, JAMES ALBERT STEVENSON.

### Mechanical Engineering.

IN ORDER OF MERIT.

LOUIS HERDT, JOHN BURNS, DAVID A. MURPHY, WILLIAM PITT LAURIE, ROBERT CLAUDE HOLMAN, ARTHUR W. K. MASSEY.

## Mining Engineering.

IN ORDER OF MERIT.

HENRI HERDT, JOHN HAMILTON FEATHERSTON, FRANK LAMBERT.

FIRST YEAR.

ORTON EDWARD S. WHITESIDE.—Prizes in Mathematics and General Chemistry.
FRANK HENRY PITCHER.—Prize in English and Practical Chemistry.
WILLIAM ARCHIBALD DUFF.—Prize in Mathematics.
MATTHEW FRANCIS CONNOR.—Prizes in Mathematics and German.
CHARLES H. B. LONGWORTH.—Prizes in Mathematics.
HERBERT MOLSON.—Prizes in English an t French.

PASSED THE SESSIONAL EXAMINATION.

IN ORDER OF MERIT.

William Archibald Duff, Orton Edward S. Whiteside, Frank Henry Pitcher; Matthew Francis Connor and Herbert Molson, equal; Charles H. B. Longworth, John William Morris, Walter Moffatt Scott, Arthur Langley Mudge, Leonard W. E. Dyer, Robert David Naas, William Wilson Leach, Alfred Collyer, John Herbert Larmonth, Henry Seward Mooney, John Kimball Scammell, John Muir Lorway.

SUMMER THESIS.

FOURTH YEAR.—*Class I.*—Stone (*cross sectioning in Valleys of Fraser and Thompson Rivers, B.C.*) and Wingham (*Detail Work in Loco Shops*), equal; Middleton (*Cable railroads*) and Walker (*Geology and Mining of the Sudbury region*), equal; Russel (*Geology of Lakes Edward and St. John District*). *Class II.*—Bickerdike (*Selection and preservation of timber*) and Bulman (*Masonry*), equal; Ramsay (*Injectors*) and Schwitzer (*Roads and Streets*), equal. *Class III.*—Williams (*Condensers*).

THIRD YEAR.—*Class I.*—Kingston (*International Colliery C.B.*); McGregor (*B. C. Arbitration* re *Can. Pac. Ry.* v. *Queen*) and LeRossignol (*Iodin Absorption of Oils*), equal; Stuart (*Slate Quarrying*) and Smith (G. S., (*Car Wheels*), equal. *Class II.*—Klock (*Brompton Lake Asbestose*) Purves (*Gowrie Mine, C.B.*); Wainwright (*Montreal & Ottawa Ry.*) and Tighe (*Development and Testing of Turbine Wheels in U.S.*), equal; Warren (*Care and Management of Stationary Boilers*), Cunningham (*Elevators*). *Class III.*—Adams (*Douglass Copper Mine*) and Smart (*Loco. Repairs*), equal; Bolton (*Survey of Township of Shakespeare*); Copeland (*Champlain Canal*) and Murphy (P. J.) (*Double Track G.T. Ry. Preliminary Survey*), equal.

SANITATION.

FIRST YEAR.—*Class I.*—Whiteside, Plummer, Pitcher. *Class II.*—Morris and Mudge, equal; Duff, Dyer, Molson, Scott; Connor and Larmonth, equal; Longworth; Finley and Leach, equal; Cochrane and Naas, equal. *Class III.*—Scammell; Clark and Mooney, equal; Collyer and Sheraton, equal; Lorway, Fairie.

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MATERIALS.

FOURTH YEAR.—*Class I.*—Wingham; Bickerdike and Russel and Schwitzer and Walker, equal; Stone, Middleton, Bulman. *Class II.*—Ramsay. *Class III.*—Williams.

THIRD YEAR.—*Class I.*—Tighe, McGregor, Kingston. *Class II.*—Murphy (P. J.) and Smith (G. S.), equal; Wainwright, Smart. *Class III.*—Bolton Cunningham; Copeland and Stuart, equal; Purves, Warren.

SECOND YEAR.—*Class I.*—Burns, Greenberg; Dawson (A. S.) and Holman equal; Ryan, Herdt (L.). *Class II.*—Herdt (H.) and Laurie, equal Lambert and Massey, equal; Bowden, Rankin, Stevenson, Murphy (D.A.). *Class III.*—Featherston, MacPhail, Gunn, Turner, Cochrane, Simpson.

HYDRAULICS (*Advanced Course*).

FOURTH YEAR.—*Class I.*—Stone, Bickerdike.

HYDRAULICS (*Ordinary Course*).

*Class I.*—Stone, Bickerdike. *Class II.*—Schwitzer, Ramsay; Bulman and Walker and Wingham, equal; Russel, Middleton. *Class III.*—McTaggart, Williams.

STEAM.

FOURTH YEAR.—*Class I.*—Middleton, Bickerdike, Walker, Ramsay, Russel. *Class II.*—Wingham, Stone; Bulman and Schwitzer, equal. *Class III.*—Williams.

THIRD YEAR.—*Class I.*—Smith, Warren, Cunningham. *Class II.*—None. *Class III.*—Smart.

ESSAY.

FOURTH YEAR.—*Class I.*—Walker and Wingham, equal; Stone; Bickerdike and Bulman and Russel, equal. *Class II.*—Middleton, Williams. *Class III.*—Ramsay and Schwitzer, equal.

THIRD YEAR.—*Class I.*—Le Rossignol, Kingston; Bolton and McGregor and McFarlane, equal. *Class II.*—Adams; Stuart and Purves, equal; Tighe. *Class III.*—Murphy (P. J.), Copeland, Wainwright.

SECOND YEAR.—*Class I.*—Dawson; Barnes and Greenberg and Ryan, equal. *Class II.*—MacPhail, Herdt (H.); Burns and Herdt (L.) and Stevenson, equal; Featherston, Holman, Murphy (D.), Gunn, Laurie; Lambert and Turner, equal; Bowden; Rankin and Simpson, equal; Massey, Cochrane.

FREEHAND AND OBJECT DRAWING.

FIRST YEAR.—*Class I.*—Plummer, Duff; Morris and Dyer, equal. *Class II.*—Longworth and Lorway, equal; Connor and Collyer, equal; Naas and Leach and Molson, equal; Scammell, Clark, Scott; Fairie and Finley and Pitcher, equal. *Class III.*—Mooney, Whiteside, Larmonth, Mudge, Sheraton.

LETTERING.

FIRST AND SECOND YEARS.—*Class I.*—Barnes and Burns and Plummer, equal; Morris, Herdt (L., Greenberg, Larmonth; Duff and Turner, equal. *Class II.*—Massey; Mudge and Naas, equal; Simpson, Herdt (H.), Pitcher Dyer and Molson, equal; Stevenson, Featherston, Longworth; Lorway and Scott, equal; Lambert and MacPhail. *Class III.*—Connor and Fairie and Finley and Cochrane (J. D.), equal; Whiteside and Laurie equal; Dawson, Collyer; Mooney and Leach and Scammell, equal; Cochrane (K. C., Gunn, Rankin, Clark, Bowden; Sheraton and Holman, equal.

DESCRIPTIVE GEOMETRY.

SECOND YEAR.—*Class I.*—Barnes, Burns, Herdt (L.). *Class II.*—MacPhail, Bowden, Herdt (H.), Greenberg, Ryan, Massey, Stevenson. *Class III.*—Dawson and Holman, equal; Laurie, Simpson, Rankin; Gunn and Lambert and Featherston and Turner, equal.

*Class I.*—(*Special Examination*).—Murphy.

THIRD YEAR.—*Class I.*—Smith. *Class II.*—Warren, Wainwright, Murphy, Kingston, McGregor, Cunningham, Rutherford, Bolton. *Class III.*—Stuart, Smart, Purves, Tighe, Copeland.

SURVEYING.

SECOND YEAR.—*Class I.*—Greenberg. *Class II.*—MacPhail, Herdt (L), Stevenson, Ryan, Burns, Dawson. *Class III.*—Gunn, Featherston, Massey, Laurie, Cochrane, Holman, Lambert; Rankin and Turner, equal.

*Class II.*—(*Special Examination*).—Herdt (H.), Murphy.

THIRD YEAR.—*Class I.*—None. *Class II.*—Bolton, Stuart, Tighe. *Class III.*—Wainwright; Murphy and Copeland, equal.

GEODESY AND PRACTICAL ASTRONOMY.

FOURTH YEAR.—*Class II.*—Bulman.

METEOROLOGY.

*Class I.*—Bickerdike, Bulman, Antliff, Wingham. *Class II.*—Williams.

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MECHANISM.

SECOND YEAR.—*Class I.*—Herdt (L.), Herdt (H.), MacPhail, Holman. *Class II.*—Laurie, Murphy (D.), Bowden, Burns. *Class III.*—Greenberg, Ryan, Turner, Lambert; Massey and Rankin, equal; Stevenson, Simpson.

KINEMATICS OF MACHINERY.

THIRD YEAR.—*Class I.*—Smith. *Class II.*—Cunningham.

DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Middleton, Ramsay, Wingham. *Class III.*—Williams.

MECHANICAL DRAWING.

SECOND YEAR.—*Class I.*—Burns. *Class II.*—Herdt (L.), Laurie, Darling; Turner and Murphy, equal. *Class III.*—Massey; Cochrane and Simpson, equal; Holman.

THIRD YEAR.—*Class I.*—Smith. *Class II.*—Warren. *Class III.*—Cunningham, Smart.

FOURTH YEAR.—*Class I.*—Middleton, Ramsay. *Class II.*—None. *Class III.*—Williams, Wingham.

DESIGNING.

FOURTH YEAR.—(*Civil Engineering Course*).—*Class I.*—Stone, Bickerdike, Bulman. *Class II.*—Schwitzer.

FOURTH YEAR.—(*Mechanical Engineering Course*).—*Class I.*—Ramsay. *Class II.*—Middleton, Williams. *Class III.*—Ramsay.

FOURTH YEAR.—(*Mining Engineering Course*).—*Class I.* Walker, Russel.

THEORY OF STRUCTURES (*Ordinary Course*).

FOURTH YEAR.—(*Civil Engineering Course*).—*Class I.*—Stone, Bickerdike. *Class II.*—Bulman, Schwitzer.

FOURTH YEAR.—(*Mechanical Engineering Course*).—*Class I.*—Wingham. *Class II.*—Middleton, Ramsay, McTaggart. *Class III.*—Williams.

THIRD YEAR.—*Class I.*—Smith (G. S.). *Class II.*—McGregor; Cunningham and Purves, equal. *Class III.*—Stuart and Warren, equal; Kingston and *Murphy (P. J., equal; Tighe, Smart, *Bolton, Wainwright, *Copeland.

* Supplemental in subject matter of Paper II.

THEORY OF STRUCTURES (*Advanced Course*).

FOURTH YEAR.—(*In order of merit*).—Stone, Bickerdike.

CHEMISTRY (*Practical.*)

FIRST YEAR.—*Class I.*—Pitcher, Long worth, Mudge, Greig, Whiteside, Duff, Molson, Leach, Morris. *Class II.*—*Fairie, Scott, Jones, *Finley, Lorway, Dyer, Naas, Plummer, Collyer, Mooney, Connor, Larmonth. *Class III.*—*Cochrane, Scammell, *Clark, Sheraton.

* Supplemental in Theoretical Chemistry.

SECOND YEAR.—(*Chemistry Course*).—*Class I.*—Barnes.

SECOND YEAR.—(*Mining Course*).—*Class I.*—None. *Class II.*—Herdt. *Class III.*—Featherston, Gunn, Lambert.

THIRD YEAR.—(*Chemistry Course*).—*Class I.*—LeRossignol. *Class II.*—Adams. *Class III.*—None.

*Special Examination.*—*Class II.*—Klock.

THIRD YEAR.—(*Mining Course*).—*Class I.*—None. *Class II.*—Kingston, Purves, McGregor. *Class III.*—None.

CHEMISTRY (*General*).

FIRST YEAR.—*Class I.*—Whiteside, Connor, Longworth, Morris, Molson, Pitcher, Duff, Scott. *Class II.*—Plummer, Mudge, Collyer, Dyer, Naas, Larmouth, Lorway. *Class III.*—Mooney, Leach, Scammell, Greig, Jones.

ORGANIC CHEMISTRY.

SECOND YEAR.—(*Chemistry Course*).—*Class I.*—Barnes.

THIRD YEAR.—(*Chemistry Course*).—*Class I.*—LeRossignol, Adams. *Class II.*—None. *Class III.*—Macfarlane.
*Special Examination*—*Class II.*—Klock.

ASSAYING.

FOURTH YEAR.—*Class I.*—Walker. *Class II.*—Russel.

MINERALOGY (*Advanced*).

THIRD YEAR.—(*Chemistry and Mining Courses*).—*Class I.*—LeRossignol. *Class II.*—None. *Class III.*—McGregor Adams, Klock, Kingston, Purves, Macfarlane.

GEOLOGY (*Advanced*).

*Class I.*—Walker. *Class II.*—Russel.

GEOLOGY.

*Class I.*—None. *Class II.*—Bolton. *Class III.*—Purves, Tighe, Wainwright.

ZOOLOGY.

*Class I.*—LeRossignol, MacPhail, Adams, Jackson*, Dawson, Klock. *Class II.*—Herdt, Greenberg, Featherston, Lambert, McFarlane, Stevenson *Class III.*—Bowden.

* Partial.

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BOTANY.

SECOND YEAR.—*Class I.*—Barnes.

MATHEMATICS.

FOURTH YEAR.—(*Optional Astronomy.*)—*Class I.* None.—*Class II.*—Bulman.

THIRD YEAR.—*Class I.*—Bolton. *Class II.*—Tighe, Stuart, Copeland. *Class III.*—Wainwright, Murphy (P.).

SECOND YEAR.—Holman, MacPhail, Greenberg, Herdt (L.), Dawson. *Class II.*—Laurie, Murphy (D.). *Class III.*—Herdt (H.), Ryan, Bowden, Rankin, Simpson, Burns, Massey, Featherston (*Suppl. in Analytic Geometry*), Stevenson, Lambert.

FIRST YEAR.—*Class I.*—Whiteside, Duff, Connor, Longworth, Molson, Pitcher. *Class II.*—Dyer, Morris, Scott, Mudge. *Class III.*—Leach, Scammell*, Costigan*, Naas*, Larmonth†, Mooney*, Collyer‡.

* Supplemental in Algebra.
† " " Geometry.
‡ " " Trigonometry.

MECHANICS.

THIRD YEAR.—*Class I.*—LeRossignol. *Class II.*—Warren; Tighe and Wainwright, equal. *Class III.*—Cunningham, Adams, Bolton, Kingston; McGregor and Smith, equal; Stuart, Murphy (P.), Smart.

SECOND YEAR.—*Class I.*—MacPhail, Herdt (H.), Dawson. *Class II.*—Barnes, Bowden; Greenberg and Herdt (L.), equal. *Class III.*—Murphy (D.), Laurie; Burns and Massey and Rankin, equal; Featherston.

EXPERIMENTAL PHYSICS.

THIRD YEAR.—*Class I.*—LeRossignol, Adams, McGregor, Cunningham. *Class II.*—None. *Class III.*—Smith (G. S.), Bolton, Tighe, Warren, Kingston, Copeland, Purves, Wainwright, McFarlane.
(*Special Examination*). *Class III.*—Klock.

SECOND YEAR.—*Class I.*—Barnes, MacPhail. *Class II.*—Holman; Herdt (L.) and Laurie, equal. *Class III.*—Cochrane, Dawson; Herdt (H.) and Rankin, equal; Featherston, Bowden, Burns; Greenberg and Ryan, equal; Stevenson, Murphy (D. A.); Lambert and Massey, equal.

ENGLISH.

THIRD YEAR.—*Class I.*—Adams. *Class II.*—Wainwright.

SECOND YEAR.—*Class I.*—Dawson, Lambert, Greenberg, Barnes.
*Class II.*—Burns, Murphy; Herdt (L.) and Massey and MacPhail, equal; Gunn and Rankin, equal. *Class III.*—Herdt (H.) and Simpson, equal; Ryan; Bowden and Laurie, equal; Turner; Cochrane and Featherston and Holman, equal; Stevenson.

FIRST YEAR.—*Class I.*—Pitcher, Molson, Duff, Morris; Longworth and Scott, equal; Whiteside, Plummer, Mudge, Dyer. *Class II.*—Collyer, Finley, Mooney, Naas. *Class III.*—Cochrane and Fairie, equal; Leach; Clark and Larmonth, equal; Lorway.

ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—Connor. *Class II.*—None. *Class III.*—Scammell.

FRENCH.

SECOND YEAR.—*Class I.*—Herdt (L.), *Class II.*—Herdt (H.), Lambert; MacPhail and Greenberg, equal; Laurie. *Class III.*—Featherston; Bowden and Dawson and Rankin and Ryan, equal; Stevenson, Massey, Simpson.

FIRST YEAR.—*Class I.*—Molson, Pitcher. *Class II.*—Duff, Scott. *Class III.*—Longworth, Mudge, Mooney, Collyer, Leach.

GERMAN.

SECOND YEAR.—*Class I.*—None. *Class II.*—Barnes and Burns, equal. *Class III.*—Holman, Cochrane.

FIRST YEAR.—*Class I.*—Connor. *Class II.*—Whiteside. *Class III.*—Morris, Lorway, Naas, Larmouth, Dougall.

## FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

PRIZES.

Veterinary Medicine and Surgery—George E. Macaulay.
Anatomy—Thomas E. Simpson.
Disease of Cattle—D. B. Comstock.
Chemistry—J. D. MacIntyre.
Physiology—J. D. MacIntyre.
Histology—Wilfred Plaskett.
Materia Medica—J. D. MacIntyre.
Botany—Wilfred Plaskett.
Zoology—M. C. Wylie.

For the best general examination of all subjects (silver medal)—Sidney S. Twombly.
2nd prize (book)—John A. McCrank.

SPECIAL PRIZES.

For the best essay read before the Veterinary Medical Association;
1st—Sidney S. Twombly, $10.
2nd—David St. Louis, $8.
3rd—J. A. McCrank, $7.

For the best essay read before the Society for the Study of Comparative Psychology (Book)—J. A. McCrank.

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## FACULTY OF ARTS.

*Passed Supplemental Examinations.*

SEPTEMBER, 1890.

(*a*) SUPPLEMENTAL SESSIONAL.

THIRD YEAR.—Guthrie, Holden (A. R.)

SECOND YEAR.—Davis, Graham, Jekill, Campbell (R. F.), Ross (J. K.)

FIRST YEAR.— MacVicar (Archd.), McVicar (R.), Macdonald (Jessie).

(*b*) *Supplemental in one Subject.*

SECOND YEAR.—Anderson (J. D ), Blatchford (H.), Brown, Carmichael, Williams (E. J.), Hunt (L. E.), Macdonald (M. L.)

FIRST YEAR.—Donahue, McGerrigle, Munn.

---

# Students of the University.

## SESSION 1890–91.

## McGILL COLLEGE.

### FACULTY OF LAW.

*Undergraduates.*

FIRST YEAR.

| | | | |
|---|---|---|---|
| Cameron, J. Alex, B.A., | Huntingdon, Q. | Hall, Alex. Rives, B.A., | Toronto, Ont. |
| Curran, Francis Joseph, | Montreal, Q. | Harwood, Chas. Auguste, | Vaudreuil, Q. |
| Davidson, Peers, B.A., | Montreal, Q. | Jacobs, Samuel W., | Lancaster, Ont. |
| Geoffrion, Aimé, | Montreal, Q | Johnson, Alex. Ronald, B.A., | Montreal, Q. |
| Glass, Lewis Gordon, | Woodstock, N.B. | Maynard, Etienne, | St Gregoire, Q. |
| Guerin, John Maguire, | Ottawa, Ont. | Mitchell, V. E., | Montreal, Q. |

SECOND YEAR.

| | | | |
|---|---|---|---|
| Hutcheson, Robert B., | Montreal, Q. | Truell, Harry Valorus, B.A., | Barnston, Q. |
| Ryan, Percy C., | Ottawa, Ont. | | |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Geoffrion, Victor, | Montreal, Q. | Hibbard, Frederick W., B.A., | Dublin, |
| Hatchette, Frank J , | Montreal, Q. | | |

OCCASIONAL.

Hersey, Milton L., B.A.Sc., Montreal, Q.
Byres, George Martin, Aberdeen, Scot.
Cromwell, Joseph Miller, Perth, Ont.
Irwin, Henry, County Down, Ireland.
Loomis, Loring R., Manchester, Ia., U.S.A.
Ringland, Joseph, Shanagan, Ireland.
Simpson, J. Cradock, Montreal, Q.
Rankin, James L., Montreal, Q.

*Graduates following Lectures:*

Ambrosse, J. D. L., B.C.L.
Brown, A. J., B.A., B.C.L.
Budden, H. A., B.A., B.C.L.
Claxton, J. G. B., B.C.L.
Cross, S., B.C.L.
Dunton, R. A., B.C.L.
Ferguson, J. M., B.C.L.
Fry, H., B.C.L.
Goldstein, M., B.C.L.
Nicolls, A. D., B.C.L.
Rielle, N. T., B.A., B.C.L.
Robertson, A., B.A.
Sharpe, W. P., B.C.L.

---

## FACULTY OF MEDICINE.

Alexander, W. W., Stanhope, P.E.I.
Akerly, A. W. K., Frederickton, N.B.
Ault, C. R., Tilsonburg, O.
Aylen, E. D., Aylmer, Q.

Barrett, H. H., Three Rivers, Q.
Bazin, A. T., Montreal, Q.
Beaman, W. H., Montreal, Q.
Beers, A. H., Montreal, Q.
Bennie, Robt., Riverfield, Q.
Berwick, G. A., Farnham, Q.
Berwick, R. H., Montreal, Q.
Binmore, J. E., Montreal, Q.
Blunt, H. W., Montreal, Q.
Bostwick, W. E., Detroit, Mich.
Bowen, G. A., Compton, Q.
Bowie, R. A., Brockville, O.
Boyce, B. F., Norham, O.
Brouse, J. E., Brockville, O.
Brousseau, J. A., Ottawa, O.
Brown, E. R., Montreal, Q.
Brown, F. W. A., Brockville, O.
Brown, George T., Cantley, Q.
Brown, W. A., Chesterville, O.
Brown, W. C., Heckston, O.
Brown, J. A., Sarnia, O.
Bruce, D. A., Grand View, P.E.I.
Brunette, J. T., Cornwall, O.
Busby, John, St. Vincent de Paul, Q.
Byers, W. G. M., Gananoque, O.

Calkin, B. H., Kentville, N.S.
Cameron, J. D., L'Orignal, O.
Campbell, Robt., Laggan, O.
Campbell, R. M., Montreal, Q.
Carlaw, C. M., Campbellford, O.
Carmichael, H. B. W., Montreal Q.
Carroll, R. W., Stratford, Q.
Chabot, J. L., Ottawa, O.
Chipman, R. J., Halifax, N.S.
Clark, John, Troy, O.
Clemesha, J. C., Port Hope, O.
Coburn, A. D., Keswick Ridge, N.B.
Cooper, M. A., Ormstown, Q.
Conner, W., Minneapolis, Minn.
Crocket, A. P., Frederickton, N.B.

Davidson, Allan, Burns, O.
Davis, R. E., Fallowfield, O.
Day, A. R., Guelph, O.
Day, W. L., Montreal, Q.
Deeks, W. E., North Williamsburg, O.
Dewar, A., Ormond, O.
Dewar, A. T., Sarnia, O.
Drysdale, W. F., Perth, O.
Duncan, George H., Russell, O.
DuVernet, E., Gagetown, N.B.

Ellis, W. L., St. John, N.B.
Esty, A. S., Keswick Ridge, N.B.
Evans, J. W., Chelsea, Q.

Farwell, W. A., Lennoxville, Q.
Ferguson, W., Pictou, N.S.
Feron, F. M., Montreal, Q.
Fleming, G. W., Chipman, N.B.
Fletcher, R. W., Mabbtown, N.S.
Flinn, J. W., Wallace, N.S.
Fowler, E. S., Perth, O.
Fry, F. M., Montreal, Q.
Fulton, C., Avonmore, O.
Fulton, J. A., Franklin Centre, Q.

Gibson, R. J., Clinton, O.
Gilman, F. M., Tusket, N.S.
Girdlestone, C. W., Winnipeg, Man.
Glendenning, R. T., Truemanville, N.S.
Goff, H. N., Woodmill, P.E.I.
Goltman, A., Montreal, Q.
Gorrell, C. W. F., Brockville, O.

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Gunter, F. B., Fredericton, N.B.

Haight, M., New Durham, O.
Hall, M. K., Franklin Centre, Q.
Halliday, V., Peterboro', O.
Hamilton, Gavin, Bright, O.
Hamilton, W. F., Peterborough, O.
Hamilton, W. F., Sackville, N.B.
Hannington, J. P., Shediac, N.B.
Harrison, J. D., Fredericton, N.B.
Hart, P. C., Baddeck, N.B.
Hattie, W. H., New Glasgow, N.S.
Hayes, Joseph, Nelson, N.B.
Henderson, J. A., Orangeville, O.
Henderson, James, Warkworth, O.
Henderson, W., Dickinson, O.
Hepburn, C., Montreal, Q.
Hewetson, John, Riverside, Cal.
Hewetson, S. W., Georgetown, O.
Hogg, D. H., Winnipeg, Man.
Holden, D. B., Montreal, Q.
Holohan, P. A., Newcastle, N.B.

Internoscia, A., Montreal, Q.
Irving, Ed., Pembroke, O.
Irwin, H., Pembroke, O.

Jack, DuVernet, Fredericton, N.B.
Jacques, H. M., Upper Dyke, N.S.
Jakes, R. W., Merrickville, O.
Jameson, Thomas, Rochester, N.Y.
Jamieson, W. H., Montreal, Q.
Johnston, Albert, Ottawa, O.

Kearns, J. F., Metcalfe, O.
Keir, E. J., Malpeque, P.E.I.
Kelly, C. I., West Flamborough, O.
King, H. S., Sarnia, O.
Kinghorn, H. M., Montreal, Q.

Lambert, E. M., Ottawa, O.
Lambly, W. O., Montreal, Q.
Lang, F. W., St. Marys, O.
Langley, A. F., Victoria, B.C.
Lanterman, M., Montreal, Q.
Lawrence, J. W., Lower Dumfries, N.B.
Lewis, J. T., Hillsboro, N.B.
Lindsay, Wm., St. Mary's, O.
Lineham, D. M., Newry, O.
Livingstone, H. A., Mon real, Q.
Lochead, John, Parkhill, Ont.
Love, Andrew, New Glasgow, N.S.
Lovering, W. T., Seattle, W.T.

MacCarthy, G. S., Ottawa, O.
Mackay, D. T., Clifton, P.E.I.
Mackay, R. B., Toronto, O.
MacKenzie, Alex., Smith's Falls, O.
MacLean, C. M., Cambridge, N.B.
MacPhail, J. A., Orwell, P.E.I.
Macrae, G. B., Montreal, Q.
Mader, A. I., Lunenburg, N.S.
Main, C. G., Woodstock, N.B.
Mair, A. W., Clinton, O.
Manchester, G. H., Ottawa, O.
Martin, C. F., Montreal, Q.
Martin, M. McL., Brown's Creek, P.E.I.
Martin, S. H., Savage Mines, Q.
Massiah, W. B. H., Barbados, W. Indies.
Masten, C. H., Montreal, Q.
Matheson, R., Cardigan, P.E.I.
Mathewson, G. H., Montreal, Q.
McArthur, A. D., Kenmore, O.
McCann, A. E. A., Montreal, Q.
McCrea, James, Laggan, O.
McCrimmon, A. A., St. Thomas, O.
McGinnis, D., Athelstan, Q.
McGuire, J. C., Trenton, O.
McIntosh, L. Y., Strathmore, O.
McKenty, J. E., Montreal, Q.
McKenzie, R. T., Almonte, O.
McKenzie, R. J., Melbourne, Q.
McKenzie, S. R., Montreal, Q.
McKinnon, A. J., Kinross, P.E.I.
McLaren, J. T., Belle Creek, P.E.I.
McLaughlin, J. A., Avonmore, O.
McLennan, D. A., Fournier, O.
McLennan, K., Dunvegan, O.
McMillan, J. H., Pictou, N.S.
McMillian, W., Alberry Plains, P.E.I.
McMorine, R. F., Richmond, Q.
McNally, H. H., Fredericton, N.B.
Meade, C. J., St. Paul, Minn.
Meikle, R. H., Lachute, Q.
Meikle, W. F., Morrisburg, O.
Mills, W. C., Montreal, Q.
Mitchell, W., Lachute, Q.
Montgomery, T. E., Phillipsburg, Q.
Moore, J. M., Belleville, O.
Morris, Frank, Fairville, N.B.
Morrow, W. S., Halifax, N.S.

Neill, John, Aylmer, Q.
Nicholls, A. G., Montreal, Q.

Ogden, C. L., Warrensburg, N.Y.
O'Sullivan, P. J., South Boston, Mass.
Outwater, S. W., Plainfield, O.

Parke, George H., Quebec, Q.
Parker, G. W., Cardigan, P.E.I.
Paterson, L., Harbour Grace, Nfld.
Patterson, W., New Glasgow, N.S.

Peake, J. P., Fredericton, N.B.
Phelan, E. D., Montreal, Q.
Phillmore, R. H., Cookshire, Q.
Pritchard, James, North Wakefield, O.
Purvis, H., Portage du Fort, Q.

Quirk, E. McG., Mile End, Q.

Rice, T. A. G., Montreal, Q.
Richardson, A., South March, O.
Richardson, A. J., Chesterville, O.
Riley, E. R., Charlottetown, P.E.I.
Rimers, F. E., Bryson, Q.
Robertson, A. A., Montreal, Q.
Robertson, E. A., Lennoxville, Q.
Robertson, T. F., Brockville, O.
Robinson, B. E., Orillia, O.
Robinson, H. J., Brockville, O.
Rodger, D. A., Genoa, Q.
Rogers, Wm., Montreal, Q.
Rorke, R. F., St. Thomas, O.
Ross, D. W., Grand Falls, N.B.
Ross, Hugh, Thorburn, O.
Ross, J. J., Dewittville, Q.

Scammell, J. H., St. John, N.B.
Scane, J. W., Chatham, O.
Scott, W. H., Owen Sound, O.
Seaton, J. S., St. John, N.B.
Seguin, J. W. A., Rigaud, Q.
Semple, E. J., Montreal, Q.
Sharpe, E. M., Butternut Ridge, N.B.
Shaw, G. F., Ottawa, O.
Shaw, H. S., Montreal, Q.
Shaw, T. P., Montreal, Q.
Shirriff, Geo. R., Huntington, Q.
Shillington, A. T., Kemptville, O.
Sinclair, O. W., Bridgetown, N.B.
Smith, C. F., Winchester, O.
Smith, R. A., Durham, O.
Smith, T. H., North Sydney, C.B.
Smith, W. H., Winnipeg, Man.
Sparling, A. J., Pembroke, O.
Spier, J. R., Lindsay, O.
Stearns, C. N., Montreal, Q.
Stenning, W. A., Coaticook, Q.
Summers, A. A., Aultsville, O.
Sutherland, J. A., River John, N.S.
Symons, J. H., Montreal, Q.

Taplin, M. M., Addison, O.
Taylor, J. N., Ottawa, O.
Taylor, T. T., Chatham, O.
Thompson, John, Moulinette, O.
Tompkins, J. F. C., Coaticook, Q.
Travers, J. B., St. John, N.B.
Tremblay, L., Ottawa, O.
Trenholme, G. A., Coaticook, Q.
Troy, James, Fallowfield, O.
Troy, W., Fallowfield, O.
Tunstall, C. A., Montreal, Q.

Wade, A. S., Perth, O.
Walker, J. L., Montreal, Q.
Walker, G. W., Stratford, O.
Walsh, A. W., Huntingdon, Q.
Walsh, T. N., Ormstown, Q.
Walsh, W. E., Ormstown, Q.
Wasson, H. J., Peterboro', O.
Watson, N. M., Williamstown, O.
Watson, R. L., Montreal, Q.
Webster, R. E., Brockville, O.
Whyte, J. T., Ottawa, O.
Williamson, W. P., Chatham, O.
Wilson, R. D., Derby, N.B.
Wilson, Robert, Montreal Q.
Wolf, C. G. L., Winnipeg, Man.

Yates, H. B., Brantford, O.
Yearwood, C., Barbados, West Indies.
York, H. E., Metcalfe, O.

---

## FACULTY OF ARTS.

### *Undergraduates.*

FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Adams, J. P., | N. B. Normal School, | Campbelltown, N.B. |
| Bailey, W. G., | Private tuition, | Montreal, Q. |
| Barlow, Walter L., | M. H. S., | Montreal, Q. |
| Bickerdike, F. A. C., | Private tuition, | Montreal, Q. |
| Blackett, John, | Huntingdon Acad., | Ormstown, Q. |
| Bond, Wm. L., | M. H. S., | Montreal, Q. |
| Boyd, Leslie H., | M. H. S., | Montreal, Q. |
| Boyd, Robert, | Ottawa Coll. Inst. | Russell, O. |
| Bremner, William, | Ottawa Collegiate Institute, | Ottawa, O. |



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|---|---|---|
| Campbell, Duncan A., | Glencoe, | Kilmartin, O |
| Campbell, G. Ernest, | Huntingdon Academy, | Ormstown, Q |
| Church, Athole, | St. John's School, | Montreal, Q |
| Cleland, J. A., | Private tuition, | Montreal, Q |
| Craig, Wm. W., | M. H. S. | Montreal, Q |
| Dickson, Ed. H. T., | Private tuition, | Trenholmeville, Q |
| Dickson, Sydney M., | St. Francis College, | Trenholmeville, Q |
| Davis, David T., | M. H. S., | Montreal, Q |
| Day, Frank J., | Private tuition, | Belleville, O |
| Duclos, Arnold Wm., | M. H. S., | Montreal, Q |
| Elliott, Alexander, | McGill Normal School, | Shawville, Q |
| Fraser, Frank C., | M. H. S., | Montreal, Q |
| Gillies, Robert J., | Huntingdon Academy, | Kelso, Q |
| Graham, Angus, | Glencoe H. S., | Glencoe, O |
| Graham, Fred. H., | Liverpool College, | Iron Hill, Q |
| Hanran Robt. J., | Inverness Academy, | Inverness, Q |
| Harvey, Fred W., | Sutton Model School, | Abercorn, Q |
| Hopkins, M. C., | McGill Normal School, | Coaticook, Q |
| Howell, Wm., | St. John's School, | Montreal, Q |
| Lambly, M. O., | Wesleyan Theological College, | Inverness, Q |
| Lewis, Wm. P., | St. John's H. S., | Iberville, Q |
| Lyster, Norton C., | St. Francis College, | Richmond, Q |
| McGregor, Alexander, | Lachute Academy, | St. Andrews, Q |
| McMullin, John, | Huntingdon Academy, | Ormstown, Q |
| Macpherson, Walter, | M. H. S., | Montreal, Q |
| Naylor, Henry A., | Shawville Academy, | Shawville, Q |
| Ogilvy, Charles, | M. H. S., | Montreal, Q |
| Rodger, Thomas, | M. H. S., | Montreal, Q |
| Shaw, Christie M., | M. H. S., | Montreal, Q |
| Spearman, Fred. S., | Huntingdon Academy, | |
| Smith, Alistair, | Petitcodiac School, | Petitcodiac, N.B |
| Stewart, J. C., | London Coll. Inst., | Embro, O |
| Vipond, Charles W., | M. H. S., | Montreal, Q |

SECOND YEAR.

| | | |
|---|---|---|
| Brown, Cecil L., | Huntingdon Academy, | Port Lewis, Q |
| Brown, James, | Huntingdon Academy, | Huntingdon, Q |
| Donahue, Wm., | M. H. S., | Montreal, Q |
| Gordon, John S., | Prince of Wales College, P.E.I., | Alberton, P.E.I |
| Grisbrook, E., | Private tuition, | Dundee Q |
| Gurd, Charles C., | M. H. S., | Montreal, Q |
| Hickson, J. W. A., | Eliock School, Montreal, | Montreal, Q |
| Honeyman H. A., | Stanstead Wesleyan College, | Knowlton, Q |
| Hutchison, David, | Private tuition, | Brechin, O |
| Internoscia, Jérome, | Technical Institute, Italy. | Montreal, Q |
| Ireland, George D., | Prince of Wales College, P.E.I., | Alberton, P.E.I |
| Jordan, John E., | Coaticook Academy, | Coaticook, Q |
| Killaly, H. N., | Trinity College School, Port Hope, | Morrisburg, O |
| McIver, Evander J., | M. H. S., | Montreal, Q |
| McGerrigle, J. A., | Huntingdon Academy, | Ormstown, Q |
| MacVicar, Robert M., | Eliock School, Montreal, | Montreal, Q |
| McVicar, Archibald, | Strathroy Collegiate Institute, | Strathroy, O |
| Mahaffy, Albert, | H. S., Goderich, | Port Albert, O |
| Mansur, Charles, | Stanstead Wesleyan College, | Stanstead, Q |
| Muir, Peter P., | Harrison H. S., | Fordwich, O |
| Munn, Stewart M., | M. H. S., | Montreal, Q |
| Patterson, William, | Ottawa Collegiate Institute | Caultley, Q |
| Pratt, Francis, | Magee College, Ireland, | Montreal, Q |
| Robertson, Albert J., | Weston H. S., | Woodbridge, O |

| | | |
|---|---|---|
| Skeels, Albie A., | H. S., Montreal, | Montreal, Q |
| Smith, E. F. McL., | H. S., Hawkesbury, | Hawkesbury, Q |
| Thompson, James, | Lachute Academy, | Bristol, Q |
| Townsend, Wm. McN., | Prince of Wales Coll., P.E.I., | Traveller's Rest, P.E.I |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Allen, James H., | West Osgoode, O | Kollmyer, W. Hector, | Montreal, Q |
| Anderson, John D., | Tiverton, O | Mackenzie, Ewen A., | Lucknow, O |
| Archibald, Edward, | Montreal, Q | McLennan, Kenneth, | Alexandria, O |
| Barron, Robt. H., | Lachute, Q | Messenger, Wm. John, | Navario, Cal., U.S |
| Blachford, Henry, | Huntingdon, Q | Mitchell, Robt. J. W., | Montreal, Q |
| Brown, Daniel, | Morris Flats, Q | Parker, Edwin G., | Martinville, Q |
| Carmichael, S., | Montreal, Q | Pritchard, Wm. P., | Redgrave, O |
| Colquhoun, Philip, | Colquhorm, O | Reeves, Archibald C., | Ormstown, Q |
| Cushing, Harold B., | Montreal, Q | Robins, Geo. D., | Montreal, Q |
| Davey, R George, | Whitby, O | Ross, Robert O., | Margaree, C.B |
| Drum, Lorne, | Quebec, Q | Sadler, Thomas A., | Dewittville, Q |
| Ellicott, T. W. H., | Montreal, Q | Smyth, Walter H., | Montreal, Q |
| Graham, George D., | Ottawa, O | Taylor, James, | Ottawa, O |
| Hamilton, Dan. S., | Ravenswood, O | Williams, Edward J., | Montreal, Q |
| Jaquays, H M., | Sutton, Q | Wood, Arthur B., | St. Johns, Q |
| Jekill, Henry, | Morris Flats, Q | | |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Cole, Arthur A., | Montreal, Q | McGregor, John M., | Montreal, Q |
| Craik, Galen, | Rockburn, Q | McLeay, Alfred A., | Danville, Q |
| Dobson, John R., | Pictou, N.S | McLeod, Norman A. D., | Lochside, N.S |
| Ellenwood, Wm. R., | Yarmouth, N.S | Moore, Levi, | Lachute, Q |
| Goff, Harry N., | Georgetown, P E.I. | Oliver, William, | Rockburn, Q |
| Gunn, Wm. Thos., | Montreal, Q | Pidgeon, G. C., | New Richmond, Q |
| Guthrie, Donald, | Guelph, O | Russell, Andrew, | Bristol, Q |
| Hall, Richard S., | Montreal, Q | Tees, John, | Montreal, Q |
| Hipp, E. G., | Montreal, Q | Warne, James F., | Eastman, Q |
| Holden, Arthur R., | Montreal, Q | Warne, Wm. A., | Eastman, Q |
| LeRossignol, W. J., | Montreal, Q | Whyte, George, | Leeds Village, Q |
| McCullough, Robt., | Inverness, Q | Whyte, James T., | Manotick, O |
| McDougall, G. W., | Montreal, Q | Young, Henry C., | North Troy, Vt., U.S |

B. A.

| | |
|---|---|
| Elliott, James, | Matthewson, George H. |
| McDougall, Robert, | |

B. AP. SC.

| | |
|---|---|
| Antliff, T. H., | Ferrier, W. F. |

*Partial and Occasional.*

A *Partial Student* (indicated by an asterisk) may, without passing the Entrance Examination, take the same classes as an Undergraduate, and must take at least three classes. Undergraduates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes.

FIRST YEAR.

| | | | |
|---|---|---|---|
| *Adams, J. R., | | *Cameron, Malcolm J., | Cowansville, Q |
| *Armstrong, H. S., | | Chantler, W. N., | West Assa |
| Baker, Edwin, | Brandon, Man | *Cleland, John A., | Montreal, Q |
| Beauchamp, P., | Grenville, Q | *Donaldson, David, | Montreal, Q |
| *Bessette, Wilfrid, | Mount Johnson, Q | Dougall, Wilfrid, | Montreal, Q |
| *Blunt, F. H., | Knowlton, Q | Gilman, — | |
| *Burke, Thomas E., | Farran's Point, O | *Gilmour, W. F., | Almonte, O |

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|---|---|---|---|
| Giroulx, Louis R., | Duclos, Q | Procter, Arthur A., | Alberin, B.C |
| *Jackson, Wm. P., | Kingston, O | Ridgeway, A. G., | |
| Kerr, Wesley E., | Brussels, O | Robinson, Alex., | Portarlington, Ire |
| McCuaig, Wm., | | Rodger, Thomas J., | Montreal, Q |
| *McDonald, A., | Melbourne, Q | *Rollit, Charles D., | Montreal, Q |
| *MacInnes, John P., | Vankleek Hill, O | Sauvé, Albert, | |
| MacIntosh, — | | Savignac, J. A., | Tulleride, Col., U.S |
| *MacKinley, George, | Seaforth, O | Scott, Thomas, | Moukton, O |
| McLaren, N., | Chicoutimi, Q | Sincennes, Jean, | Duclos, O |
| *McLean, N., | Bolsover, O | *Stewart, George, | Elmside, Q |
| Martin, David E., | Bothwell, O | Stewart, J. C., | Embro, O |
| Matthewson, G. H., B.A., | | *Stoney, C., | Hamilton, O |
| Maynard, J. L., | Ste. Brigide, Q | *Strong, John J., | Cambria, Q |
| *Mervyn, W. A. A., | | *Sutherland W. C., | Woodstock, O |
| *Messenger, Charles, | | *Truax, Judson, | Ruthven, O |
| Moodie, Kenneth, | Chesterville | *Vaughan, Charles S., | Mystic, Q |
| Newton, John, | | Waller, Charles C., | England |
| *Ogilvy, Charles, | | *Waterson, Wm. J., | Vankleek Hill, Q |
| Orr, W. J., | | Warnicker, John B., | Montreal, Q |
| *Phelps, Stuart E., | Montreal, Q | Wotherspoon, C., | Montreal, Q |

SECOND YEAR.

| | | | |
|---|---|---|---|
| *Adams, Robert, | Sarnia, O | Jones, A. T., | Shropshire, Eng |
| *Aikenhead, J. P., | Toronto, O | Lee, Herbert, | Toronto, O |
| *Ballantyne, R., | Dunbar, O | *Logan, Alfred, | |
| *Barnby, R. H., | Lucknow, O | *Massicotte, Leopold, | Montreal, Q |
| Barnes, H. J., | Montreal, Q | *McArthur, John H., | Kilbride, Q |
| *Beattie, W. E., | Guelph, O | *MacKeracher, W. M., | Montreal, Q |
| Bethell, T. G., | Mascouch Rapids | Morrison, W. T., | Ormstown, Q |
| *Burnett, Herbert W., | Toronto, O | *Page, Arthur, | Montreal, Q |
| Cassidy, T. C., | Pointe aux Trembles, Q | *Reed, George E., | |
| Cleary, I. R., | Montreal, Q | Robinson, Frederick G., | Glen Tay, O |
| *Clendinnen, George S., | Ottawa, O | Rondeau, Samuel. | Montreal, Q |
| *Elliott, Alexander, | Shawville, Q | *Sanderson, A. E., | |
| *Ewan, R. B., | Montreal, Q | Sauvé, J. Alfred, | Hull, Q |
| Fraser, Frank C., | Montreal, Q | Scott, P., | |
| Frew, Robert, | Glasgow, Scot | Walker, H., | Sheffield, Eng |
| Huxtable, Charles, | Kemptville, O | Westgate, C. R., | Montreal, Q |
| Jackson, J. H., | Toronto, O | Wilkinson, Thos. J., | New Glasgow, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| *Eadie, Robert E., | Sherbrooke, Q | Robertson, A., | Quebec, Q |
| Manchester, G. H., | | Ferguson, A. H., | Montreal, Q |
| Murray, Jas. Holt, | Glen Willow, O | Jackson, Fred. S., | |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Flagg, Edwin L., | Morrisburg, O | McLeod, John Wm., | |
| *Fraser, A. D., | | *Morrison, John, | Mandamin |
| Hausen, Joseph T., | Montreal, Q | *Tener, Richard, | Montreal, Q |
| McGregor, Peter, | Ashdid, O | | |

## DONALDA DEPARTMENT.

SPECIAL COURSE FOR WOMEN.

*Undergraduates.*

FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Brown, Jessie, | Mrs. Lay's School, | Montreal, Q |
| Craig, Margaret, | Girl's High School, | Montreal, Q |
| Gyde, Lilian N., | McGill Normal School, | Montreal, Q |

| | | |
|---|---|---|
| Hargrave, Edith, | Sherbooke Girls' Academy, | Sherbrooke, Q |
| Mackenize, Jane E. F., | St. Francis College, | Richmond, Q |
| Murphy, M. Grace, | Private tuition, | Montreal, Q |
| Ogilvy, Isabella, | G. H. S., Montreal, | Montreal, Q |
| Parmelee, J. M., | McGill Normal School, | Waterloo, Q |
| Radford, Ethel S. | G. H. S., Montreal, | Montreal, Q |
| Shaw, S. Louise, | G. H. S., Montreal, | Montreal, Q |
| Solomon, Jennifried P., | Waterloo Academy, | Rochelle, Q |
| Seymon, Clara, | Private tuition, | Montreal, Q |
| Stenning, Annie A., | Coaticook Academy, | Coaticook, Q |
| Warner, Agnes L., | G. H. S., St. John, N.B., | St. John, N.B |

SECOND YEAR.

| | | |
|---|---|---|
| Ballantyne, Jessie, | G. H. S., Montreal, | Montreal, Q |
| Brittain, Isabel J., | G. H. S., Montreal, | Montreal, Q |
| Fairclough, Lizzie M., | Hamilton Collegiate Institute, | Hamilton, O |
| Jackson, Annie, | Misses Symmers and Smith, | Montreal, Q |
| James, Agnes S., | McGill Normal School, Montreal, | Montreal, Q |
| Lee, Mabel, | H. S., Quebec, | Quebec, Q |
| LeRossignol, Mary, | G. H. S., Montreal, | Montreal, Q |
| Macdonald, Jessie H., | Private tuition, | Montreal, Q |
| McCoy, Emma C., | Huntingdon Academy, Q., | Rockburn, Q |
| Millar, Edith N., | McGill Normal School, | Montreal, Q |
| Reay, Janet, | McGill Normal School, | Melbourne, Q |
| Seymour, Martha, | Mrs. Lay's School, | Montreal, Q |
| Smardon, Charlotte, | McGill Normal School, | Three Rivers, Q |
| Wilson, Kate, | McGill Normal School, | Montreal, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Angus, Frances R., | Montreal, Q | MacDonald, Minnie L., | Montreal, Q |
| Campbell, Kate M., | Montreal, Q | Mewhort, Louise, | St. Anne, Q |
| Campbell, R. F., | Montreal, Q | Pitcher, Ethelwyn, | Montreal, Q |
| Davidson, Clara F. M., | Frelighsburg, Q | Raynes, Ethel, | Montreal, Q |
| Leach, Milda, | Montreal, Q | Ross, Jessie K., | Montreal, Q |
| Lyman, Helen W., | Montreal, Q | Tatley, Eleanor, | Montreal, Q |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Hall, Elizabeth, | Montreal, Q | Pattison, Mary L., | Clarenceville, Q |
| McGregor, E. B., | Montreal, Q | Robins, Lilian B., | Montreal, Q |
| McMillan, Helen, | Montreal, Q | Smith, G. Louise, | Montreal, Q |
| Moffat, Eva L., | Gananoque, O | | |

B. A.

| | |
|---|---|
| Derrick, Carrie M., | Reid, Helen R. K., |
| Hunter, Georgiana, | Scott, Sara B., |
| Macfarlane, Mira, | Williams, Annie, |
| Murray, Alice, | |

*Partial and Occasional.*

FIRST YEAR.

| | | | |
|---|---|---|---|
| Bremner, Jennie, | Montreal, Q | McLea, Jeanie, | Montreal, Q |
| Campbell, Agnes, | Longueuil, Q | *Mills, Jeanie, | Montreal, Q |
| *Clendinneng, Edith H., | Montreal, Q | Nash, Eleanor A., | Montreal, Q |
| Evans, Lilian N., | Montreal, Q | Nichols, Alice, | Montreal, Q |
| Evans, Mabel Norton, | Montreal, Q | *Rickey, Eleanor, | Montreal, Q |
| Hopkins, Gertrude F., | Cookshire, Q | Sanderson, Minnie, | Montreal, Q |
| Irwin, Isa, | Lachine, Q | Simms, F., | Montreal, Q |
| Lindsay, Violet, | Montreal, Q | | |

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SECOND YEAR.

| | | | |
|---|---|---|---|
| Calder, Bertha, | Lancaster, O | Ewing, Caroline, | Montreal, Q |
| Campbell, Amelia, | Montreal, Q | Ferguson, Isabelle, | St. Anicet, Q |
| Campbell, E. M., | Montreal, Q | Hendrie, Lilian M., | Cote St. Antoine, Q |
| Cumming, A. C. H., | Montreal, Q | Howell, Jessie C., | Montreal, Q |
| Darling, Grace, | Montreal, Q | Mann, Eva. | Montreal, Q |
| Darling, Mary I., | Montreal, Q | McLea, P. E., | Montreal, Q |
| Davidson, Christina, | Montreal, Q | Mills, Janet A., | Montreal, Q |
| Dawson, Mary, | Montreal, Q | Reid, Ethel H., | Montreal, Q |
| Douglas, F., | Montreal, Q | Rodger, Jemima, | Montreal, Q |
| Evans, Emma E., | Montreal, Q | Seymour, Julia L., | Montreal, Q |
| Ewing, Anna L., | Montreal, Q | Walker, Bertha P., | Montreal, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Blachford, Agnes C., | Montreal, Q | Johnson, N., | Montreal, Q |
| Blackader, Alice, | Montreal, Q | LeRossignol, Annie, | Montreal, Q |
| Blackader, Helen B., | Montreal, Q | Mattice, Brenda T., | Montreal, Q |
| Dawson, Hilda, | Montreal, Q | Monk, Isa M., | Montreal, Q |
| Fry, Mary D., | Montreal, Q | Mussen, Ethel, | Montreal, Q |
| Finley, Marie S., | Montreal, Q | Radford, Annie, | Montreal, Q |
| *Hunt, Lovisa, | Montreal, Q | Trenholme, Florence, | Cote St. Antoine |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Ames, L. M., | Montreal, Q | Skelton, A. R., | Montreal, Q |
| Darey, H. A., | Montreal, Q | Turner, Edith, | Montreal, Q |

## MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Brodie, Alexander, | Quebec, Q | Lee, Emily, | Quebec, Q |
| Brown, Martha L., | Quebec, Q | Lindsay, John, | Danville, Q |
| Chambers, E. T. C., | Granby, Q | Macadam, Maggie, | Glasgow, Scot |
| Fraser, Ethel, | Quebec, Q | Moffatt, David S., | Inverness, Q |
| Gale, Ethel, | Quebec, Q | Polley, James F., | St. Stephen, N.B |
| Harper, Robert M., | Quebec, Q | Tanner, John U. E. F., | Levis, Q |

## ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Candlish, Charles W., | L'Avenir, Q | Hewitt, Edith, | Melbourne, Q |
| Coburn, David N., | Melbourne, Q | Lufkin, Elizabeth J., | Waterloo, Q |
| Dunkerley, Cora F., | Ulverton, Q | Lyster, H. F., | Richmond, Q |
| Fraser, Hortense C., | Richmond, Q | Prendergast, A. R. | Richmond, Q |
| Fraser, H. A., | Richmond, Q | | |

*Occasional Students.*

| | | | |
|---|---|---|---|
| Church James E., | South Durham, Q | Macleay, Kenneth L., | Danville, Q |
| Elliott, Albert J., | Ulverton, Q | Prout, John W. C., | Leeds, Q |
| Jamieson, Minetta A., | Richmond, Q | Ryan, William Arthur, | Richmond, Q |

## STANSTEAD WESLEYAN COLLEGE.

| | |
|---|---|
| McDffee, Mamie, | Stanstead, Q |

## FACULTY OF APPLIED SCIENCE.

### FIRST YEAR.

Clark, William Barton, Cote St. Paul, Q
Cochrane, Kenn. Cameron, Brockville, O
Collyer, Alfred, Sussex, Eng
Connor, Matthew Francis, Ottawa, O
Duff, William Archibald, Montreal, Q
Dyer, Leonard William E., Montreal, Q
Fairie, James Arthur, Montreal, Q
Finley, Samuel Arnold, Montreal, Q
Larmonth, John Herbert, Ottawa, O
Leach, William Wilson. Montreal, Q
Longworth, Chas. Henry B., Charlottetown, P.E.I
Lorway, John Muir, Sydney, C B
Molson, Herbert, Montreal, Q
Mooney, Henry Seward, Montreal, Q
Morris, John William, Wallace, N.S
Mudge, Arthur Langley, Montreal, Q
Naas, Robert David, Luenburg, O
Pitcher, Frank Henry, Montreal, Q
Plummer, Thomas Henry, Toronto, O
Scannell, John Kimball, St. John, N.B
Scott, Walter Moffat, Charlottetown, P.E.I
Sheraton, Robert Leonard, Halifax, N.S
Thomas, Chas. Fred. W., Lyster Co., Meg
Toller, Guy Northcote, Ottawa, O
Whiteside, Ortin Edw. S., Metcalfe, O

### SECOND YEAR.

Barnes, Howard Turner, Montreal, Q
Bowden, William Arthur, Richmond, Q
Burns, John Andrew, Montreal, Q
Cochrane, John Dougall, Montreal, Q
Darling, Edward, Montreal, Q
Dawson, Alex. Scott, Pictou, N.S
Featherston, John Hamilton, Montreal, Q
Greenberg, Louis, Montreal, Q
Gunn, Robert A., Montreal, Q
Herdt, Henri, Montreal, Q
Herdt, Louis, Montreal, Q
Holman, Robt Claude, Summerside, P.E.I
Lambert, Frank, Woodstock, N.S
Lawrie, William Pitt, Quebec, Q
MacPhail, James Alex., Orwell, P.E.I
Massey, Arthur W. K., Montreal, Q
Murphy, David A., Montreal, Q
Rankine, John R., Montreal, Q
Ryan, Arnold Jas., Rouse's Point, N.Y
Simpson, Lincoln. Cavendish, P.E.I
Stevenson, Jas. Albert, South Granby Q
Turner, John Alexander, Hamilton, O

### THIRD YEAR.

Adams, Walter Chamblet, Montreal, Q
Bolton, Ellsworth, Listowel, O
Copeland, Louis Benjamin, Berthier, Q
Cunningham, Wm. Norton, Montreal, Q
Kingston, Charles B., Montreal, Q
Klock, Alonzo. Aylmer, Q
LeRossignol, Peter Henry, Montreal, Q
Murphy, Peter Joseph, Quebec, Q
McFarlane, Walter Douglas, Cote St. Antoine, Q
McGregor, John Murray, Montreal, Q
Purves, James G., Sydney, C.B
Smart, W. C. Gregory, Hamilton, O
Smith, George Sinclair, Petitcodiac, N.B
Stuart, Henry B., Montreal, Q
Tighe, James, Holyoke, Mass
Wainwright, James George G., St. Andrews, Q
Warren, Wm. Henry, Montreal, Q

### FOURTH YEAR.

Bickerdike, Robert, Montreal, Q
Bulman, William Jardine, Montreal, Q
Middleton, Percy Howe, Montreal, Q
McTaggart, Duncan Donald, Montreal, Q
Ramsay, Hy. Martyn, Cote St. Antoine, Q
Russel, Hugh Yelverton, Montreal, Q
Schwitzer, John Edward, Ottawa, O
Stone, Ernest Albert, Montreal, Q
Walker, Wm. Henry H., Montreal, Q
Williams, Miles Lawrence, Montreal, Q
Wingham, Thomas Henry, Montreal, Q

### *Partial Students.*

Costigan, —,
Goulet, Albert, Aylmer, Q
Greig, Alexander Rodger, Montreal, Q
Jackson, F. S., Montreal, Q
Jones, Charles Hugh, Montreal, Q
Loeb, Alfred A., Montreal, Q
Moodie, Kenneth, Montreal, Q
Pink, Lawrence Nasmith, Pembroke, O
Rutherford, Forrest, Cote St Antoine, Q
Saunderson, Ernest, Montreal, Q

## FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

| | |
|---|---|
| Andrews, F. | |
| Barton, F., | Lennoxville, Q. |
| Bolger, D. L., | Cambridge, Mass., U.S. |
| Brainerd, E. | |
| Brodie, H., | Montreal, Q. |
| Casper, A. M., | |
| Campbell, J. G., | |
| Cleaves, A. S., | |
| Coakley, D., | |
| Comstock, D. B., | Miles City, Mont., U.S. |
| Denny, H. E., | |
| Dunton, H. B., | Richmond, Q. |
| Dyer, R. E., | Boston, Mass., U.S. |
| Ewing, J. A., | Montreal, Q. |
| Gangloff, G. E., | Buffalo, N.Y., U.S. |
| Gorham, A. W., | Alstead, N.H., U.S. |
| Hadley, A., | North Georgetown, Q. |
| Higginson, C. M., | L'Orignal, O. |
| Kemp, A. | |
| Lamb, A. S., | Montreal, Q. |
| Lee, Geo., | Brighton, Mass., U.S. |
| Lofgren, O. C., | Sauk Centre, Minn., U.S. |
| Macaulay, G. E., | Salem, N.Y., U.S. |
| McCrank, J. A., | Plantagenet, Q. |
| McDonald, T. B., | Boston, Mass., U.S. |
| McDonald, D. M., | Laggan, O. |
| McDougall, J., | Montreal, Q. |
| McGuire, W. C., | |
| McIntyre, J. D., | |
| Moffett, J. W., | Kingfisher, I.T., U.S. |
| Moffatt, S. J., | Ormstown, Q. |
| Miller, G. A., | Granby, Q. |
| Orr, O. G., | |
| Paterson, J. H., | |
| Pennrick, C. F., | |
| Perley, H. S., | Ottawa, O. |
| Plaskett, J., | Montreal, Q. |
| Plaskett, W. S., | |
| Pote, T., | New Harmony, Ind., U.S. |
| Rathbone, J. L., | |
| Robb, E. M., | Montreal, Q. |
| Robertson, A. T., | Howick, Q. |
| Seale, J. H., | Granby, Q. |
| Simpson, T. C., | St. Andrews, Q. |
| Stephens, J. | |
| St. Louis, D., | Ormstown, Q. |
| Sturrock, T., | Laggan, O. |
| Thayer, S. W., | |
| Townsend, G., | New Glasgow, N.S. |
| Tracy, A. W. | |
| Twombly, S. S., | Fayetteville, Arkansas, U.S. |
| Watson, John, | Beauharnois, Q. |
| Wells, G. P., | Cochrane, N.W.T. |
| Wylie, M. C., | |

## SUMMARY.

| | | | | |
|---|---|---|---|---|
| Students in Law, McGill College | | | | 39 |
| " in Medicine, " | | | | 257 |
| " in Arts.— " | | | | |
| | Men | Graduates | 5 | |
| | | Undergraduates | 126 | |
| | | Partial | 48 | |
| | | Occasional | 57 | |
| | Women | Graduates | 7 | |
| | | Undergraduates | 47 | |
| | | Partial | 4 | |
| | | Occasional | 51 | 338 |
| Students in Arts, Morrin College | | | | 12 |
| " " " St. Francis College | | | | 15 |
| " " " Stanstead Wesleyan College | | | | 1 |
| " " Applied Science, McGill College :— | | | | |
| | | Undergraduates | 75 | |
| | | Partial | 10 | 85 |
| " Veterinary Science | | | | 54 |
| | | | | 801 |
| Deduct entered in two Faculties | | | | 3 |
| | | | | 798 |
| McGill Normal School Teachers-in-training | | | | 104 |
| Total | | | | 912 |

# Donations to Library and Museum,

FROM JUNE, 1890, TO MAY, 1891.

## TO THE LIBRARY.

From the Aberdeen University : Calendar for 1890-91.

From the Smithsonian Institution : Contributions to Knowledge, Vol. 26.

From the McGill Graduates' Society : Charles Kingsley's Works, 10 vols.
Washington Irving's Works, 9 vols.
Nathaniel Hawthorne's Works, 5 vols.
Furness' Variorum Shakespeare ; Othello and Merchant of Venice.
The Carisbrooke Library, 9 vols.
English Statesmen Series, 19 vols.
Origins of the English People ; History of the People of the United States, 2 vols.; Manual of Historical Literature ; American Statesmen Series, Daniel Webster ; Kingsley's Heroes and Water Babies, 2 vols.; Concise Dictionary of the Bible ; Greek Moods and Tenses ; Greek Grammar ; Matthew Arnold's poems ; Remsen's Organic Chemistry ; Anglo-Saxon Poems, by J. M. Garnett ; Whitney's Sanskrit Grammar and Bosworth's Anglo-Saxon Dictionary, Part 3 ; The Phonological Investigation of Old English, by Albert S. Cook. In all 68 vols.

From Sir J. W. Dawson : Geological Survey of New Jersey, Report, Vol. 2.

From Mr. Peter Redpath : Oxford Historical Society, Collectanea, Vol. 2.

From the United States Government, Treasury Department : Report of the Director of the Mint, 1889.

From Sir J. W. Dawson : Report of the Superintendent of Public Instruction of the Province of Quebec, 1888-89.

From the British Association for the Advancement of Science : Report for 1889, Meeting at Newcastle.

From the Minister of Agriculture, Ontario : Report of the Royal Commission on Mineral Resources, 6 copies.

From the McGill Graduates Society : Treatise on Masonry Construction ; Descriptive Geometry, by Linus Faunce ; Treatise on Marine Surveying.

From the Smithsonian Institution : Annual Report, 1887 ; do., United States National Museum, 1887 ; do., Part 2, 1886.

From the Meteorological Institute, Christiania : The Norwegian North Atlantic Expedition, Actinida, 1876-78.

From the University, Melbourne, Australia : Calendar for 1889-90.

From Sir J. W. Dawson : History of Education in North Carolina ; Bulletin of the U. S. National Museum, No. 37 ; Preliminary Report on the Collection of Mollusca and Brachiopoda obtained in 1887-88.

From the Johns Hopkins University : The Negro in Maryland, by Jeffrey R. Brackett, and eight pamphlets.

From the Minneapolis Public Library : Four Catalogues.

From the University of New Brunswick, Fredericton : Calendar for 1889-90.

From the Dalhousie University, Halifax : Calendar for 1890-91.

From the U. S. Government War Department : Weather Maps for May.

From the Lieutenant-Governor of Bengal: Species of Ficus of the Indo-Malayan and Chinese countries and Appendix; Annals of the Botanic Garden, Calcutta, Vol. 2.

From Sir J. W. Dawson: Records of the Geological Survey of New South Wales, Vol. 1, Part 3, 1889.

From the Trustees of the Newberry Library, Chicago: Proceedings for 1889.

From the Edinburgh University: Calendar for 1890-81.

From the U. S. Geological Survey: 8th Annual Report 1886-87, Parts 1 and 2.

From the Royal Society of Canada: Proceedings and Transactions, Vol. 7, 1889.

From Sir J. W. Dawson (the author): Modern Ideas of Evolution.

From the Provincial Government, Quebec: Statuts de Québec, 1890.

From Messrs. Macmillan & Co., London: Green's Short History of the English People, Parts 3 and 4; Shakespeare's Othello, Cymbeline and Tempest, with introduction, by K. Deighton; Scott's Lay of the Last Minstrel, cantos I, III; First Greek Grammar Syntax, by W. G. Rutherford, first Latin Verse Book by W. E. Pantin; Macmillan's Latin Course, Part 2; Euripides, with notes by M. A. Bayfield; Virgil Æneid, Books 3 and 7, by Page and Calvert; Cæsar-Gallic War, Book 6, by C. Colbeck.

From the Astronomer Royal, Greenwich: Greenwich Observations for 1887; do. appendix II; do. appendix III.

From Messrs. Macmillan & Co., England: Shakespeare—Julius Cæsar, with notes; Questions and Exercises in English Composition, by Nichol and McCormick.

From the Provincial Government, Quebec: Journals of the Legislative Council, Vol. 23, 1889; Journals of the Assembly, 1889; Sessional Papers, Vol. 21, 1888; do., Vol. 22, 1889.

From the Oxford Historical Society, per Mr. Peter Redpath: Survey of the Antiquities of the City of Oxford by Anthony Wood.

From the McGill Graduates' Society: Handy Dictionary of Anglo-Saxon Poetry, by James A. Harrison; Nathaniel Hawthorne's Works, 7 vols.; Notes and Queries, 6th series, 2 vols.; do., 7th series, 8 vols.; Ireland under Elizabeth and James I.

From the Institution of Civil Engineers: Minutes and Proceedings, Vols. 100 and 101.

From Association Geodesique Internationale, Christiania, Norway: Geodatische Arbeiten, Heft VI. and VII.

From the Glasgow University: Calendar for 1889-90 and 1890-91.

From the Department of Agriculture, Ottawa: Statistical Year Book of Canada for 1889.

From the Queen's Printer, Winnipeg: Acts of the Legislature for the province of Manitoba, Vol. 1, 1890.

From the Royal Colonial Institute: Vol. 21, Report of Proceedings 1889-90.

From the Geological Survey, Texas: First Annual Report, 1889.

From the American Association for the Advancement of Science: Proceedings of 38th meeting, held at Toronto, August, 1889.

From Hon. L. R. Masson (the author): Les Bourgeois de la Compagnie du Nord-Ouest; second series.

From Sir J. W. Dawson: Jahrbuch du Kaiserlich Koniglichen Geologischen Reichsanstalt, 4 quarterly parts, forming one volume; Genesis of the Arietidæ, by Alpheus Hyatt.

From the Geological Survey, Texas: Annotated Check-List of the Cretaceous Invertebrate Fossils of Texas.

From the University of Sydney, N. S. W.: Calendar for 1890.

From the Mayor and Council of Toronto: By-Laws of the City of Toronto.

From the U. S. Geological Survey; Monograph, Vol. 16; Palæozoic Fishes of North America; U. S. Geographical Surveys West of 100th Meridian, Report: Bulletins of the U. S. Geological Survey, Nos. 54, 55, 56 and 57.

From Sir J. W. Dawson: Gems and precious stones of North America, by George Frederick Kunz.

From the Glasgow University: Calendar for 1889-90.

From the Dominion Government, Ottawa: Sessional papers, session 1890, Vol. 2; "Trade and Navigation"; Statutes of Canada, 52-53rd year Victoria.

From Hon. Geo. E. Foster, Minister of Finance, Ottawa; Dictionary of the Micmac language, by Rev. S. T. Rand.

From the Provincial Government, Quebec: Journals of the Legislative Assembly, Vol. 24, 1890.

From the Queen's Printer, Winnipeg: Journals of the Assembly, 1890.

From the U. S. National Museum, per the Smithsonian Institution: Proceedings, Vol. 12, 1889; Bulletin of the Museum, No. 38.

From Professor Bovey: Notice sur les Instruments Enregistreurs; Report of the Royal Commission on the Mineral Resources of Ontario.

From Mrs. Hunter, per Professor Bovey: The Forth Bridge, in its various stages; ditto, Foundations illustrated; the Tay Bridge, illustrated; the Tay Viaduct illustrated; the Carpenter's and Joiner's Assistant, and pamphlets; the Forth Bridge and all about it; Sinking the Cylinders of the Tay Bridge by pontoons; Tay Bridge Guide; and a number of photographs.

From the Trustees of the British Museum: Catalogue of Birds, Vols. 13, 15 and 18: Catalogue of Fossil Reptilia and Amphibia, part 4; Guide to Geology and Palæontology, Parts 1 and 2.

From Sir J. W. Dawson: 86th report of the British and Foreign Bible Society, 1890.

From Rev. Frederick Frothingham, Milton, Mass.: Biographical Sketches of Graduates of Harvard University, 3 vols.

From the Institution of Civil Engineers: Minutes of Proceedings, Vol. 102, 1 vol., and brief subject index, Vols. 59 to 102.

From the author (W. Rae Macdonald, Edinburgh), per Mr. H. J. Johnston: The Construction of the Wonderful Canon of Logarithms by John Napier, translated by W. Rae Macdonald.

From E. K. Greene, by Sir J. W. Dawson: Egyptian photographs—album.

From the Dominion Government, Ottawa: Sessional papers, 1890 (various), 15 vols.; Journals of the House of Commons, Ottawa, Vol. 24, 1890, 1 vol.; Journal of the Senate, Ottawa, Vol. 24, 1890, 1 vol.

From the McGill Graduates Society: "Carisbrooke Library," Vol. 11; Swift's works

From the Provincial Government, Quebec: Sessional papers, departmental reports, 1890, 2 vols.; report of the Department of Agriculture, 1890.

From the American Institute of Mining Engineers: Vol. 18, 1890.

From George Cruikshank: a collection of English proverbs, by F. Ray, 1678.

From Rev. John Scrimger, M.A.: Casus Conscientiæ, by J. P. Gury; Compendium Theologiæ Moralis, by J. P. Gury.

From New York State Library, Albany: 43rd report State Museum of Natural History, 1890; Regent's report for 1889.

From the Institution of Engineers and Shipbuilders in Scotland: Transactions, Vol. 33, 1890.

From the University College of Wales, Aberystwith: Calendar for 1890-91.

From the author (George Washington Moon): the Eruption of Krakatoa and subsequent Phenomena; Learned Men's English; Eden and other poems, 3 vols.

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From the Geological Survey of New Jersey : Vol. 2, Part 2, 1890.

From Messrs. Macmillan & Co., England ; Livy, Book 22, by Capes & Melhuish ; Virgil, Æneid, viii, by A. Calvert ; the Gospel, according to St. Luke, with introduction and notes by Rev. John Bond.

From the U. S. Government Director of the Mint : Report of the Director of the Mint, 1890.

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*Councillors:* Messrs. Selkirk Cross, McGoun, Fry, Mallie, Parmelee and Yates.

## UNDERGRADUATES' LITERARY SOCIETY.

CONSTITUTED 1880.

*President:*

W. J. LEROSSIGNOL.

*1st Vice-President:*

H. M. KINGHORN.

*2nd Vice-President:*

R. G. DAVEY.

*Secretary:*

A. B. WOOD.

*Assistant Secretary:*

CHAS. MANSUR.

*Treasurer:*

JAS. PURVES.

*Special Committee:* J. F. Warne, L. Drouin, W. Donahue, D. T. Davis and L. Greenberg.

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## McGILL COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION.

OBJECT.—To promote the piety of its members and the cause of Christianity in the University.

MEMBERSHIP.—The active Membership of the Association shall consist of Graduates and Students of the University who are members of some Protestant church. Any Graduate and Student of good moral character may become an associate member. A social reception is given to new students at the beginning of the session.

SESSION 1891-92.

*Hon. President:*

SIR J. W. DAWSON, LL.D.

*President:*

JAS. TAYLOR, Arts, '92.

*1st Vice-President:*

H. N. GOFF, Med., '93.

*2nd Vice-President:*

G. S. SMITH, Sc., '92.

*Corresponding Secretary:*

R. H. BARNBY, Partial in Arts.

*Recording Secretary:*

R. M. CAMPBELL, Med., '94.

*Treasurer:*

R. O. ROSS, Arts, '92.

*Assistant Treasurer:*

J. PRITCHARD, Med., '94.

CHAIRMEN OF COMMITTEES :

*Devotional :*
GALEN H. CRAIK, Arts, '91.

*Missionary :*
W. H. MCARTHUR, Partial in Arts.

*Music :*
F. J. DAY, Arts, '94.

*Social Purity :*
A. NICHOLS, B.A., Med., '94.

*On Handbook :*
A. A. ROBERTSON, B.A., Med., '94.

*Membership :*
*Arts :* A. MCVICAR, '93.
*Med. :* A. T. HENDERSON, '93.
*Science :* E. BOLTON, '92.
*Law :* A. R. HALL, B.A., '93.
*Comp. Med. :* not appointed.

*Social :*
Not appointed.

*Bulletin :*
ANGUS GRAHAM, Arts, '94

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## McGILL UNIVERSITY ATHLETIC ASSOCIATION.

ESTABLISHED 1884.

Open for Membership to Undergraduates in this University.

*President :*
SIR WILLIAM DAWSON.

*Vice-President :*
WM. WALSH (Med.).

*Secretary :*
W. GREGORY SMART (Sc.).

*Treasurer :*
PROF. B. J. HARRINGTON, B.A., Ph. D.

*Assistant Treasurer :*
V. HALLIDAY (Med.).

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IN AFFILIATION.

*Foot-Ball Club.*

*President :* ALEX. W. WALSH (Med.).

*Vice-President :* D. W. MACFARLANE (Sc.).

*Sec.*:—J. L. WALKER (Med.).

*Treas.*:—D. HAMILTON (Theology).

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*Hockey Club.*

*President :*
WM. WALSH (Med.).

*Sec.-Treasurer :*
E. IRVING (Med.).

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*University Lawn Tennis Club.*
*Secy. :* C. F. MARTIN, B.A.

*McGill Cricket Club.*
*Secy. :* F. W. HIBBARD, B.A., B.C.L.

## DELTA SIGMA SOCIETY.

ESTABLISHED 1884.

*President :* Louise C. Smith.

*Vice-President :* Ethelwyn Pitcher.

*Secretary-Treasurer :* Mary LeRossignol.

*Assistant-Secretary :* Margaret Craig.

*Committee :* Misses McGregor, James, Monk.

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## YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

ESTABLISHED 1887 (AS THEODORA SOCIETY).

Principal object for the present, the diffusion of information respecting Christian Missions, and the cultivation of a Missionary spirit. Open for membership to Students of the Donalda Special Course for women.

*President :* Eva Moffatt, B.A.

*Vice-President :* Helen Lyman.

*Secretary-Treasurer :* Agnes James.

*Assistant Sec.-Treas. :* Jennie Parmelee.

*Committee :* Misses Pattison, K. Campbell, Ballantyne, Brown, C. G. Seymour.

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## GLEE CLUB.

ESTABLISHED 1887.

*President:* Eva Moffatt, B.A.

*Secretary-Treasurer :* Mabel Evans.

*Committee:* Misses Leach, Reay, Murphy.

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## McGILL UNIVERSITY MUSICAL ASSOCIATION.

*Honorary President*.....SIR WILLIAM DAWSON, LL.D.

" *Secretary*.....B. J. HARRINGTON, Ph.D.

" *Treasurer*.....J. C. CAMERON, M.D.

OFFICERS FOR SESSION 1891-92.

*President*.....PEERS DAVIDSON, B.A.

*Secretary*.....S. S. D. CARMICHAEL.

*Treasurer*.....J. M. MACGREGOR.

*Instructor*.....PROF. WM. BOHRER.

Devoted to voice culture and to the practice of college and other songs. Membership open to all Students in the University. Annual fee $2.00. Meetings of one hour and a half held weekly during the college session.

BENEFACTORS OF

# McGill University, Montreal.

## I. *Endowments and Subscriptions of the University and of the Faculty of Arts.*

### 1. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....$120,000

### 2. UNIVERSITY BUILDINGS, ETC.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings, with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally opened to the public, August, 1882.

THE WILLIAM C. McDONALD Physics building, the gift of William C. McDonald, Esq., announced by him as a gift to the University in 1890.

Lot for University building adjoining the College grounds, presented by J. H. R. Molson,—$42,500.

### 3. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B A., in classes wholly separate, to constitute a separate Special Course or College for women,—$120,000.

### 4. ENDOWED CHAIRS, ETC.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq., —$20,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—$20,000.

The Logan Chair of Geology, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S. and Hart Logan, Esq.,—$20,000.

The John Frothingham Chair of Mental and Moral Philosophy, in 1873, endowed by Miss Louisa Frothingham,—$20,000.

The Major Hiram Mills Chair of Classics, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—$42,000.

The David J. Greenshields Chair of Chemistry and Mineralogy, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to the Faculty of Arts.

The William C. McDonald Chair of Physics, in 1890, endowed by William C. McDonald, Esq.,—$50,000.

The John Frothingham Principal Fund, to be invested for the endowment of the Principalship of the University; founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—$40,000.

## 5. EXHIBITIONS AND SCHOLARSHIPS.

The Jane Redpath Exhibition, in the Faculty of Arts, $100 annually—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of $1,667.

The McDonald Scholarships and Exhibitions, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882 with the sum of $25,000, by William C. McDonald, Esq.—Annual value, $1,250.

The Charles Alexander Scholarship, for Classics—founded in 1871 by Charles Alexander, Esq.—Annual value, $120.

The Barbara Scott Scholarship for Classical Language and Literature—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2,000, in 1884.—Annual value, $100.

The George Hague Exhibition—founded in 1881 in the Faculty of Arts.—Annual value $125.

The Major Hiram Mills Medal and Scholarship—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of $1,500.—Annual value $75.

T. M. Thompson, Esq.—$250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872,—$450.

Rev. Colin C. Stewart—for the "Stewart Prize in Hebrew,"—$60.

The Taylor Scholarship—founded in 1871, by T. M. Taylor, Esq.—Annual value $100—terminated in 1878.

Professor Alexander Johnson—for Scholarship for 3 Sessions, terminated 1886-7,—$350.

Her Majesty's Commission for the Exhibition of 1851—Nomination Scholarship, value £150 annually, tenable for two years.

## 6. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of $700.

In 1860 the sum of £200, presented to the College by H. R. H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physical Science.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England, from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint—was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

UNIVERSITY LIBRARY

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G.S., &c.

In 1874 a Gold and Silver Medal were given by his Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1875 the "Neil Stewart prize in Hebrew" was endowed by Neil Stewart, Esq., of Vankleek Hill, in the sum of $340.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

The "Charles G Coster Memorial Prize" for general proficiency—given by Colin H. Livingstone, Esq., B. A., founded in 1889.

## 7. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

### 1856.

| | | | |
|---|---|---|---|
| John Gordon McKenzie, Esq. | $2000 | Charles Alexander, Esq | $600 |
| Ira Gould, Esq | 2000 | Moses E. David, Esq | 600 |
| John Frothingham, Esq | 2000 | Wm. Carter, Esq | 600 |
| John Torrance, Esq | 2000 | Thomas Patton, Esq | 600 |
| James B. Greenshields, Esq. | 1200 | Wm. Workman, Esq | 600 |
| William Busby Lambe, Esq. | 1200 | Hon. Sir A. T. Galt | 600 |
| Sir George Simpson, Knight | 1000 | Hon. Luther H. Holton | 600 |
| Henry Thomas, Esq | 1000 | Henry Lyman, Esq | 600 |
| John Redpath, Esq. | 1000 | David Torrance, Esq. | 600 |
| James McDougall, Esq | 1000 | Edwin Atwater, Esq. | 600 |
| James Torrance, Esq | 1000 | Theodore Hart, Esq. | 600 |
| Hon. James Ferrier | 1000 | William Forsyth Grant, Esq | 600 |
| Harrison Stephens, Esq | 1000 | Robert Campbell, Esq | 600 |
| Henry Chapman, Esq | 600 | Alfred Savage, Esq | 600 |
| Honourable Peter McGill | 600 | James Ferrier, jun., Esq. | 600 |
| John James Day, Esq | 600 | William Stephen, Esq. | 600 |
| Thomas Brown Anderson, Esq. | 600 | N. S. Whitney, Esq. | 600 |
| Peter Redpath, Esq | 600 | William Dow, Esq | 600 |
| Thomas M. Taylor, Esq | 600 | William Watson, Esq | 600 |
| Joseph McKay, Esq. | 600 | Edward Major, Esq | 600 |
| Donald Lorn McDougall, Esq. | 600 | Honourable Charles Dewey Day | 200 |
| Hon. Sir John Rose | 600 | John R. Esdaile, Esq. | 200 |

### 1871.

| | | | |
|---|---|---|---|
| William Molson, Esq. | $5000 | T. W. Ritchie, Esq. | $600 |
| William C. McDonald, Esq. | 5000 | Messrs. A. & W. Robertson. | 600 |
| Thomas Workman, Esq. | 5000 | Messrs. Sinclair, Jack & Co. | 250 |
| John Frothingham, Esq | 5000 | John Reddy, M.D. | 100 |
| J. H. R. Molson, Esq. | 5000 | Wm. Lunn, Esq | 100 |
| John McLennan, Esq. | 2000 | Kenneth Campbell, Esq. | 100 |
| B. Gibb, Esq | 600 | R. A. Ramsay, Esq | 100 |
| W. Notman, Esq. | 600 | William Rose, Esq | 50 |

1881-82.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $5000 | O. S. Wood, Esq | $1000 |
| G. A. Drummond, Esq | 4000 | J. S McLachlan, Esq | 1000 |
| George Hague, Esq | 3000 | J. B. Greenshields, Esq. (London) | 1000 |
| M. H. Gault, Esq | 2000 | Warden King, Esq | 1000 |
| Andrew Robertson, Esq | 1000 | W. B. Cumming, Esq | 1000 |
| Robertson Campbell, Esq | 1000 | Mrs. Hew Ramsay | 500 |
| Sir J. Hickson, and Lady Hickson | 1000 | R. A. Ramsay, Esq | 500 |
| Mrs. Andrew Dow | 1000 | H. H. Wood, Esq | 500 |
| Alexander Murray, Esq | 1000 | James Burnett, Esq | 500 |
| Miss Orkney | 1000 | Charles Gibb, Esq | 500 |
| Hector McKenzie, Esq | 1000 | | |

1883—84.

Edward Mackay, Esq.....$5000

8. SUBSCRIPTIONS FOR CURRENT EXPENSES, 1881-82.

| | | | |
|---|---|---|---|
| Principal Dawson | $1000 | Being | $1000 |
| J. H. R. Molson, Esq | 1000 | Per annum, 5 years being | 5000 |
| George Stephen, Esq | 1000 | " " | 5000 |
| Hon. Donald A. Smith | 1000 | " " | 5000 |
| David Morrice, Esq | 200 | " " | 1000 |
| Messrs. Gault Brothers & Co | 200 | " " | 1000 |
| Messrs. A. S. & S. H Ewing | 200 | " " | 1000 |
| Hon. Robert Mackay | 300 | Per annum, 2 years, being | 600 |
| Jonathan Hodgson, Esq | 100 | Per annum, 5 years, being | 500 |
| Geo. M. Kinghorn, Esq | 100 | " " | 500 |
| Thomas Craig, Esq | 100 | Per annum, 2 years, being | 200 |
| John Rankin, Esq | 200 | Being | 200 |
| John Duncan, Esq | 200 | " | 200 |
| Robert Benny, Esq | 100 | " | 100 |
| Miss E. A. Ramsay | 100 | " | 100 |
| Hugh Paton, Esq | 50 | For 2 years, being | 100 |
| George Brush, Esq | 25 | For 5 years, being | 125 |
| J. M. Douglas, Esq | 50 | Being | 50 |
| James Court, Esq | 50 | " | 50 |
| David J. Greenshields, Esq | 300 | " | 300 |

1887-8.

| | | | |
|---|---|---|---|
| John H. R. Molson, Esq | $1000 | Per annum, 3 years, being | $3000 |
| W. C. McDonald, Esq | 1000 | " " " | 3000 |
| Peter Redpath, Esq | 1000 | " " " | 3000 |
| Hon. Sir Donald A. Smith, K.C.M.G | 1000 | " " " | 3000 |
| Hon. Jas. Ferrier | 500 | " " " | 1500 |
| Sir Joseph Hickson | 500 | " " " | 1500 |
| Hugh McLennan, Esq | 250 | " " " | 750 |
| E. B. Greenshields, Esq | 250 | " " " | 750 |
| George Hague, Esq | 250 | " " " | 750 |
| John Molson, Esq | 250 | " " " | 750 |
| Samuel Finley, Esq | 250 | " " " | 750 |

| | | |
|---|---|---|
| Mrs. Mackay, | 1888-89 | $100 |
| Do | 1889-90 | 100 |
| Do | 1890-91 | 100 |

## II. *Endowments and Subscriptions for the Faculty of Applied Science.*

### 1. BUILDINGS, CHAIRS, ETC.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—$30,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to Faculty of Applied Science.

THE THOMAS WORKMAN DEPARTMENT OF MECHANICAL ENGINEERING — founded under the last will of the late Thomas Workman Esq., and endowed with the sum of $117,000. The sum of $60,000 for the maintenance of a Chair of Mechanical Engineering, with the assistance, shops, machinery and apparatus neeessary thereto, $57,000 to be expended in the provision of necessary buildings, machinery and apparatus. Any balance of this to be added to the invested endowment for the maintenance of the said Department.

WILLIAM C. MCDONALD, ESQ., toward erection of Thomas Workman Workshops, $20,000.

THE WILLIAM C. MCDONALD ENGINEERING BUILDING—announced by the donor as a gift to the University in 1890, and now in process of erection.

THE WILLIAM C. MCDONALD CHAIR OF ELECTRICAL ENGINEERING—endowed by William C. McDonald, Esq., with the sum of $40,000.

*Subscriptions for Lectureship in Mining and Metallurgy.*

| | | | | |
|---|---|---|---|---|
| R. B. Angus | | | | $2000 |
| Miss Benny | | | | 1000 |
| Mrs. Dow | | | | 1000 |
| Sir A. T. Galt | | | | 1000 |
| Hugh McLennan | | | | 1000 |
| Sir Wm. Dawson | $500 a year | for | 3 years | 1500 |
| R. G. Reed | 500 | " | " | 1500 |
| Alex. Stewart (London, Eng.) | 500 | " | " | 1500 |
| Dr. T. E. Brainerd | 250 | " | " | 750 |
| E. K. Green | 250 | " | " | 750 |
| Peter Lyall | 250 | " | " | 750 |
| H. & A. Allan | 250 | " | " | 750 |
| A. T. Gault | 250 | " | " | 750 |
| Hector McKenzie | 250 | " | " | 750 |
| F. A. Dawes | 250 | " | " | 750 |
| James Ross | 200 | " | " | 600 |
| J. Duncan | 100 | " | " | 300 |
| Alex. Robertson | 100 | " | " | 300 |
| G. Hague | 100 | " | " | 300 |
| J. Hodgson | 100 | " | " | 300 |
| A. A. Ayer | 83.33 | " | " | 250 |
| James Moore | 66.66 | " | " | 200 |
| Ames, Holden & Co | 50 | " | " | 150 |
| G. W. Reid | 33 33 | " | " | 100 |
| T. A. Dawes | 250 | " | " | 750 |
| | | | | $18,250 |

### 2. EXHIBITIONS AND SCHOLARSHIPS.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of $1,100, subscribed by members of the Society, and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science —Annual value $60.

THE BURLAND SCHOLARSHIP—founded 1882, by J. H. Burland, B. A. Sc., $100 for a Scholarship in Applied Science, for three years, being $300.

HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarship, value £150 annually, tenable for two years.

## 3. MEDALS AND PRIZES.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd and 3rd years, who have attended the University Gymnasium.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the council of the Association, in commemoration of its meeting in Montreal in the year 1884.

In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

## 4. ENDOWMENTS AND SUBSCRIPTIONS FOR MAINTENANCE OF FACULTY OF APPLIED SCIENCE.

*Endowment Fund.*

| | |
|---|---|
| Daniel Torrance, Esq | $5000 |
| George Moffatt, Esq | 1000 |
| Charles J. Brydges, Esq | 1000 |
| Graduates Endowment Fund—Class 1890—$70.00 a year for 5 years | 350 |

*Annual Subscriptions*, 1871–1879.

| | |
|---|---|
| Hon. James Ferrier (per annum, for 10 years) | $100 |
| Peter Redpath, Esq. (per annum, for 10 years) | 400 |
| John H. R Molson, Esq. (per annum, for 10 years) | 400 |
| George H. Frothingham, Esq. (per annum, for 7 years) | 400 |
| T. James Claxton, Esq. (per annum, for 6 years) | 100 |
| Donald Ross, Esq. (per annum, for 5 years) | $ 50 |
| Miss Mary Frothingham (per annum, for 3 years) | 400 |
| H. McLennan, Esq. (per annum, for 5 years) | 100 |
| A. F. Gault, Esq. ( do do ) | 100 |
| Gilbert Scott, Esq., for 2 years | 100 |
| Joseph Hickson, Esq., do | 100 |
| Principal Dawson, do | 300 |
| His Excellency the Marquis of Lorne | 500 |
| Mrs. Redpath (Terrace Bank) | 100 |

*Toward Maintenance of Engineering Department.*

| | |
|---|---|
| W. C. McDonald, Esq | $10,000 |

*To provide lectures in Mechanical and Sanitary Engineering.*

| | |
|---|---|
| E. B. Greenshields, Esq | $ 50 |
| J. E. Bovey, Esq | 50 |
| Professor H. T. Bovey | 61 |
| Jeffrey H. Burland, B.A.Sc., $100 for 2 years | 200 |
| Smaller amounts | 40 |

*Chair of Practical Chemistry.*

| | | | |
|---|---|---|---|
| Hon. C. Dunkin, M.P. | $1200 | P. Redpath, Esq. | $ 226 |
| Principal Dawson | 1200 | | |

*Class Rooms for Faculty of Applied Science*, 1888.

| | |
|---|---|
| John R. Molson, Esq | $3000 |
| W. C. McDonald, Esq | 3000 |
| W. C. McDonald, Esq. (for advertising) | 675 |

*Surveying and Geodetic Apparatus.*

| | |
|---|---|
| W. C. McDonald, Esq | 1500 |

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## 5. LIST OF SUBSCRIBERS AND DONORS TO THE EQUIPMENT OF THE NEW ENGINEERING BUILDINGS OF McGILL UNIVERSITY, TO MAY, 1891.

Bell Telephone Co.
Bishop, Geo.
Birks, Henry
Bremner, A.
Brush, G.
Blackwell, K.
Burland, G. B.
Burland, J. H.
Campbell, K.
Campbell Tile Co. (Eng.), per Jordan & Locker
Chanteloup, F. (late)
Chadwick, E.
Crosby Steam Valve Co. (Boston)
Date, John
Drysdale, D.
Drysdale, W.
Ewan, A.
Dominion Barbed Wire Co., per F. Fairman
Frothingham & Workman
Gardner, W. S.
Gardner, R. W., & Son
Garth & Co.
Gower, W. E.
Graham, Hugh
Grier, G. A.
Gurney, E. & C., per F. Massey
Hearn & Harrison, per L. Harrison
Hersey, R.
Hodgson, Jonathan
Holden, A.
Hughes & Stephenson
Hutton, W. H.
Ives, H. R.
Jordan & Locker
Kennedy, John
Kennedy, W., Owen Sound
Kerr, R. & W.
Knight Hydraulic Co., Cal.
Lawrie, J., & Bro.
Macpherson, A.
McCarthy D. & J. (Sorel)
McDonald, Mrs J.
McLaren, D. W.
McNally, W., & Co.
Miller Bros. & Toms
Mitchell, Robert
Nalder Bros. & Co., England
Nicholson P.
Nightingale, H.
Norton Emery Wheel Co. (Worcester, Mass.)
Notman, W.
Ogilvie, W. W.
Parker, Moses
Pillow, J. A.
Prowse, G. R.
Safford Radiator Co. (Toronto)
Ramsay, A., & Son
Reford, R
Rathbun, E. W., Deseronto
Redpath, Mrs.
Reed, G. W.
Reid, R. G.
Reid, Robert
Renouf, E. M.
Robertson, James

Ross, James
Sadler, G. W.
Scholes, Francis
Scovill Manufacturing Co.
Shearer, James
St. George, P. W.
Tees & Co.
Twyford & Co. (Eng.), per Jordan & Locker
Walker James, & Co.
Bertram John, & Sons (Dundas)
The Edison General Electric Co. (Canada and New-York)
The Pelton Water Power Co., San Francisco
The Thomson-Houston International Electric Co. (Boston)
The Whittier Machine Co. (Boston)
The B. F. Sturtevant Co. (Boston)
The Blake Manufacturing Co. (New York and Boston)
The Royal Electric Co.
Rutherford, W.
Roberts, George
Carsley, S.
Brodie & Harvie
Joyce, A.
Sheppard, C.
Ashton Valve Co. (Boston)
Goodhue Co.
Fort Wayne Co. (Indiana)
Wm. Slater
Morton, Phillips & Co.

*Details will be given in a future report.*

## III. *Endowments and Subscriptions in aid of the Faculty of Medicine.*

### 1. LEANCHOIL ENDOWMENT.

Sir Donald A. Smith, K.C.M.G.....$50,000

### 2. CAMPBELL MEMORIAL ENDOWMENT—$63,000.

Established to commemorate the services rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

| | | | |
|---|---|---|---|
| Mrs. G. W. Campbell | $2000 | Hector McKenzie, Esq. | 1000 |
| H. A. Allan, Esq | 1500 | Thomas Workman, Esq | 1000 |
| Sir D. A. Smith | 1500 | Hugh McLenan, Esq | 1000 |
| Sir George Stephen, Bart | 1000 | O. S. Wood, Esq | 1000 |
| R. B. Angus, Esq | 1000 | James Burnett, Esq | 500 |
| George A. Drummond, Esq | 1000 | Andrew Robertson, Esq | 500 |
| Alex. Murray, Esq. | 1000 | Robt. McKay, Esq | 500 |
| Robt. Moat, Esq | 1000 | John Hope, Esq | 500 |
| W. C. McDonald, Esq | 1000 | Alex. Urquhart, Esq | 500 |
| A friend | 1000 | E. K. & G. A. Greene, Esqrs | 500 |
| Duncan McIntyre, Esq | 1000 | R. A. Smith, Esq | 500 |
| Alex. Buntin, Esq. | 1000 | George Hague, Esq | 500 |
| A. F. Gault, Esq | 1000 | J. K. Ward, Esq | 500 |
| M. H. Gault, Esq | 1000 | Warden King, Esq | 500 |
| G. W. Stephens, Esq | 1000 | John Sterling, Esq | 500 |
| James Benning, Esq | 1000 | John Rankin, Esq | 500 |
| R. P. Howard, M.D | 1000 | Messrs. Cantlie, Ewan & Co | 500 |
| Frank Buller, M.D | 1000 | Robt. Reford, Esq | 500 |
| G. B. & J. H. Burland, Esqrs | 1000 | Messrs. J. & W. Ogilvie | 500 |
| Miss Elizabeth C. Benny | 1000 | Randolph Hersey, Esq | 500 |
| J. C. Wilson, Esq | 1000 | John A. Pillow, Esq. | 500 |
| Mrs. John Redpath | 1000 | S. Carsley, Esq | 500 |
| Hon. John Hamilton | 1000 | D. C. MacCallum, M.D | 500 |
| Miss Orkney | 1000 | Messrs. McLachlan Bros. | 500 |
| Hugh McKay, Esq | 1000 | Messrs. S. Greenshields, Son & Co. | 500 |

| | |
|---|---|
| Jonathan Hogdson, Esq. | 500 |
| Duncan McEachran, Esq., F. R. C.V.S. | 500 |
| Geo. Ross, M.D. | 500 |
| T. G. Roddick, M.D. | 500 |
| Wm. Gardner, M.D. | 500 |
| G. P. Girdwood, M.D. | 500 |
| G. E. Fenwick, M.D. | 500 |
| Alex. Ramsay, Esq. | 500 |
| Messrs. Cochrane, Cassils & Co. | 500 |
| Sir Joseph Hickson | 500 |
| Allan Gilmour, Esq. (Ottawa) | 500 |
| R. W. Shepherd, Esq. | 500 |
| Miles Williams, Esq. | 300 |
| Chas. F. Smithers, Esq. | 250 |
| John Kerry, Esq. | 250 |
| A. Baumgarten, Esq. | 250 |
| R. W. Elmenhorst, Esq. | 250 |
| W. F. Lewis, Esq. | 250 |
| Geo. Armstrong, Esq. | 250 |
| J. M. Douglas, Esq. | 250 |
| Messrs. H. Lyman, Sons & Co. | 250 |
| William Osler, M.D. | 250 |
| F. J. Shepherd, M.D. | 250 |
| Benj. Dawson, Esq. | 200 |
| R. Wolff, Esq. | 150 |
| James Stuart, M.D. | 150 |
| A. T. Paterson, Esq. | 100 |
| H. W. Thornton, M.D. (New Richmond, Q.) | 100 |
| M. E. David, Esq. | 100 |
| C. B Hanvey, M.D. (Yale, B.C.) | 100 |
| D. Gluness, M.D. (Nanaimo, B.C.) | 100 |
| W. Kinlock, Esq. | 100 |
| Hua & Richardson | 100 |
| Mrs. Cuthbert (New Richmond, Q.) | 100 |
| J. M. Drake, M.D. | 100 |
| Hugh Paton, Esq. | 100 |
| R. T. Godfrey, M.D. | 100 |
| T. A. Roger, M.D. | 100 |
| W. A. Dyer, Esq. | 100 |
| Geo. Wood, M.D. (Faribault, Minn.) | 100 |
| A. A. Browne, M.D. | 100 |
| George Wilkins, M.D. | 100 |
| R. L. MacDonnell, M.D. | 100 |
| Joseph Workman, M.D. (Toronto) | 50 |
| Hon. Sir A. T. Galt | 50 |
| Henry Lunam, B.A., M.D (Campbelton, N.B) | 50 |
| R. J. B. Howard, M.D. | 25 |
| T. J. Alloway, M.D. | 25 |
| Louis T. Marceau, M.D. (Napierville, Q.) | 25 |
| Griffith Evans, M.D. (Vet. Dept. Army) | 25 |
| J. J. Farley, M.D. (Belleville) | 25 |
| Henry R. Gray, Esq. | 25 |
| J. E. Brouse, M.D. (Prescott) | 20 |
| R. F. Rinfret (Quebec) | 20 |
| Robt. Howard, M.D. (St. Johns) | 20 |
| Drs. J. & D. J. McIntosh (Vankleek Hill) | 20 |
| J. H. McBean, M.D. | 15 |
| J. C. Rattray, M.D. (Cobden, O.) | 10 |
| E. H Howard, M.D. (Lachine) | 10 |
| J. W. Oliver, M.D. (Clifton, O.) | 10 |
| D. A. McDougall, M.D (Ottawa, O.) | 10 |
| A. Pousette, M.D. (Sarnia, O.) | 10 |
| A. Ruttan, M.D. (Napanee, O.) | 10 |
| James Gunn, M.D (Durham, O.) | 10 |
| J. McDiarmid, M.D. (Hensall, O.) | 5 |
| W. J. Derby, M.D. (Rockland, O.) | 5 |
| J. Gillies, M.D. (Teeswater, O.) | 5 |
| J. B. Benson, M.D. (Chatham, N.B.) | 5 |
| L. A. Fortier, M.D. (St. David, Q.) | 5 |
| J. A. McArthur, M.D. (Fort Elgin, O.) | 5 |
| John Campbell, M.D. (Seaforth, O.) | 5 |

## 3. MEDALS AND SCHOLARSHIPS.

In 1865 the "Holmes Gold Medal" was founded by the Medical Faculty as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who should undergo a special examination in all the branches, whether Primary or Final.

In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.

The David Morrice Scholarship—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value $100. (Terminated in 1883.)

## 4. LIBRARY, MUSEUM AND APPARATUS.

*For the fittings of the Library and Museum of the Faculty of Medicine*, 1872.

| | | | |
|---|---|---|---|
| G. W. Campbell, A. M., M.D | $1200 | Robert Craik, M.D | $200 |
| W. E. Scott, M.D | 200 | Geo. E. Fenwick, M.D | 200 |
| Wm. Wright, M.D | 200 | Joseph M. Drake, M.D | 200 |
| Robert P. Howard, M.D | 200 | George Ross, M.A., M.D | 50 |
| Duncan C. MacCallum, M.D | 200 | | |

| | | |
|---|---|---|
| The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine | Donation to Apparatus, Museum, Library, etc., of the Medical Faculty, 1887, $1,182; 1888, $1,023. | 2205 |

*For Physiological Laboratory of Medical Faculty*, 1879.

| | | | |
|---|---|---|---|
| Dr. Campbell | $100 | Dr. Ross | $50 |
| Dr. Howard | 100 | Dr. Roddick | 50 |
| Dr. Craik | 100 | Dr. Buller | 50 |
| Dr. MacCallum | 100 | Dr. Gardner | 50 |
| Dr. Drake | 100 | Dr. Osler | 50 |
| Dr. Godfrey | 100 | | $ 950 |
| Dr. McEachran, F.R.C.V.S | 100 | | |

*Cameron Obstetrical Collections.*

Dr. J. C. Cameron ..... $10 000

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## IV. *Endowments and Subscriptions of the Faculty of Law.*

### 1. ENDOWED CHAIRS.

The Gale Chair, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale) of Montreal, in memory of her father, the late Honorable Mr. Justice Gale,—$25,000; part received, May, 1890.

The William C. McDonald Law Faculty Endowment, founded by William C. McDonald, Esq. (1890)—$150,000.

### 2. MEDAL.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

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## V. *Subscriptions and Donations for Special objects.*

### 1. FOR APPARATUS.

| | |
|---|---|
| William Molson, Esq., Philosophical Apparatus, 1867 | $ 500 |
| John H. R. Molson, Esq., for the same | 500 |
| Peter Redpath, Esq., for the same | 500 |
| George Moffatt, Esq., for the same | 250 |
| Andrew Robertson, Esq., for the same | 100 |
| John Frothingham, Esq., for the same | 100 |
| David Torrance, Esq., for the same | 100 |
| | $2,000 |

A. Telescope and Astronomical Instrument, the gift of Charles T. Blackman, Esq, of Montreal, and called after his name.

| | |
|---|---|
| Thos. J. Barron, B.A., Philosophical Apparatus | $ 50 |
| J. H. R. Molson, Esq., Dynamo, Gas Engine and Fixtures | 1792 |
| A. Lady. for the purchase of Mining Models | 1000 |
| Thos. McDougall, Esq., for the same | 25 |
| J. Livesey, Esq., through Dr. Harrington, for the same | 50 |
| Geo. Stephen, Esq., for the same | 50 |
| Charles Gibb, B.A., donation for Apparatus in Applied Science | 50 |
| The Local Committee for the reception (1881) of American Society of Civil Engineers — For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Science | 475 |
| Capt. Adams, Chemical Apparatus | 10 |
| J. H. Burland, B.A. Sc., Chemical Apparatus | 25 |
| Mrs. Redpath, Storage battery | 400 |
| W. C. McDonald, Esq, fittings of upper Chemical Laboratory | 2075 |
| The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884 | 1500 |

A. J. Lawson, a Dynamo.
Benjamin Dawson, 3 Microscopes.

## 2. FOR LIBRARY, MUSEUM AND LABORATORIES.

| | |
|---|---|
| John Thorburn, for purchase of Books | $ 90 |
| Andrew Drummond, do for Applied Science | 25 |
| T. J. Claxton, Esq., for purchase of Specimens for Museum | 250 |
| A Lady for Museum Expenses, in 1883-4 and 1887 | 3000 |
| A friend for the purchase of specimens for the Museum | 1900 |
| Wm. Molson, Esq., for Library Fund | 4000 |
| Wm. Molson, Esq., for Museum Fund | 2000 |
| Hon. F. W. Torrance, for Mental and Moral Philosophy Book Fund | 1000 |
| Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund | 1000 |
| A Friend, by the Hon. F. W. Torrance | 400 |
| Peter Redpath, Esq., for Museum Expenses, 1882, $1,000; '83, $1,000; '84, $1,000; '85, $1,000; '86, $1,000; '87, $1,000; '88, $1,000; '89, $1,000; '90, $1,000 | 9000 |
| Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells | $233 |
| A Lady for Museum Expenses, in 1882 | 1000 |
| Peter Redpath, Esq., for Improvements to Museum | 1000 |
| The Graduates in Arts and Applied Science of 1885 for purchase of Books | 31 |
| Do of 1886 | 28 |
| The late R. A. Ramsay, Esq., Bequest for purchase of books. | 1000 |
| John H. R. Molson for purchase of book on "Butterflies of Eastern U.S and Canada" | 50 |
| Andrew Drummond, Esq. to Library Fund of Faculty of Applied Science | 25 |
| Sir Donald A. Smith, for purchase of books from the R. W. Boodle Library | 200 |
| Ottawa Valley Graduates Society for binding books in the University Library | 25 |

## 3. FOR A BUILDING FOR THE CARPENTER COLLECTION OF SHELLS, 1868.

| | | | |
|---|---|---|---|
| Peter Redpath, Esq | $500 | John H. R. Molson, Esq | 100 |
| William Molson, Esq | 500 | Sir Wm. E. Logan, Esq., F.R.S. | 100 |
| Harrison Stephen, Esq | 100 | John Molson, Esq | 100 |
| Robert J. Reekie, Esq | 100 | Thos Workman, Esq., M.P. | 100 |

| | | | |
|---|---|---|---|
| Geo. H. Frothingham, Esq | $100 | Benaiah Gibb, Esq | 50 |
| Wm. Dow, Esq | 100 | Honorable John Rose | 50 |
| Thos. Rimmer, Esq | 100 | | |
| Andrew Robertson, Esq | 100 | | $2,200 |
| Mrs. Redpath | 100 | | |

4. FOR THE ERECTION OF THE LODGE AND GATES.

| | | | |
|---|---|---|---|
| William Molson, Esq | $100 | John Frothingham, Esq | $100 |
| John H. R. Molson, Esq | 100 | James A. Mathewson, Esq | 100 |
| William Workman, Esq | 100 | Peter Redpath, Esq | 100 |
| Joseph Tiffin, jr., Esq | 100 | G. H. Frothingham, Esq | 100 |
| Thos. J. Claxton, Esq | 100 | G. D. Ferrier, Esq | 100 |
| James Linton, Esq | 100 | Geo. W Warner, Esq | 100 |
| William McDougall, Esq | 100 | John Smith, Esq | 100 |
| Charles J. Brydges, Esq | 100 | Charles Alexander, Esq | 100 |
| George A. Drummond, Esq | 100 | J. Evans, Esq | 100 |
| Thomas Rimmer, Esq | 100 | Henry Lyman, Esq | 100 |
| William Dow, Esq | 100 | | |

5. FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84.

| | | | | | | |
|---|---|---|---|---|---|---|
| Principal Dawson | $500 | Per annum, 5 years, being | | | | $2500 |
| Hon. Sir D. A. Smith | 250 | " | " | " | | 1250 |
| J H. R. Molson, Esq | 100 | " | " | " | | 500 |
| Mrs. J. H. R. Molson | 100 | " | " | " | | 500 |
| G. Hague, Esq | 100 | " | " | " | | 500 |
| Mrs. Redpath | 100 | " | " | " | | 500 |
| Hugh McKay, Esq | 100 | " | " | " | | 500 |
| Robert Moat, Esq | 100 | " | " | " | | 500 |
| W. C. McDonald, Esq | 100 | " | " | " | | 500 |
| Charles Gibb, Esq | 50 | " | " | " | | 250 |
| Miss Orkney | 50 | " | " | " | | 250 |
| Robert McKay, Esq | 50 | " | " | " | | 250 |
| Mrs. Molson | 50 | " | " | " | | 250 |
| Mrs. John Molson | 50 | " | " | " | | 250 |
| John Stirling, Esq | 50 | " | " | " | | 250 |
| Warden King, Esq | 50 | " | " | " | | 250 |
| Miss Hall | 50 | " | " | " | | 250 |
| Robert Angus, Esq | 50 | " | " | " | | 250 |
| D. A. P. Watt, Esq | 50 | " | " | " | | 250 |
| Hugh McLennan, Esq | 25 | " | " | " | | 125 |
| Sir Joseph Hickson | 10 | " | " | " | | 50 |
| Mrs. Philips | 10 | | | | | 10 |

6. SUBSCRIPTIONS TO BOTANICAL GARDEN, 1890-91.

| | | | |
|---|---|---|---|
| Hugh McLennan | $100 | Jonathan Brown | $100 |
| Gilman Cheney | 100 | Jonathan Hodgson | 100 |
| James Johnston | 100 | H. Shorey | 50 |
| James Slessor | 100 | J. S. Shearer | 50 |
| A friend | 100 | Geo. Sumner | 25 |
| Hugh Graham | 100 | A. Ramsay & Co | 25 |
| A. F. Gault | 100 | Garth & Co | 25 |
| W. T. Costigan | 100 | | |

### 7. IN AID OF THE CHAIR OF HEBREW, 1889.

| | | | | | |
|---|---|---|---|---|---|
| Warden King, Esq | $50 | Per annum, 3 years, being | | | $150 |
| Principal Sir William Dawson | 50 | " | " | " | 150 |
| Hon. Hugh Mackay | 50 | " | " | " | 150 |
| A. F. Gault, Esq | 25 | " | " | " | 75 |
| Geo. Hague, Esq | 25 | " | " | " | 75 |
| T. A. Dawes, Esq | 25 | " | " | " | 75 |
| S. Carsley, Esq | 25 | " | " | " | 75 |

### 8. FOR MUSICAL INSTRUCTION IN THE DONALDA SPECIAL COURSE FOR WOMEN.

Hon. Sir Donald A. Smith, session, 1889-90 ..... $200
" " " " 1890-91 ..... 200

### 9. FOUNDER'S TOMB.

R. A. Ramsay, M.A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill ..... $150

### 9. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment, to furnish annually a Scholarship or Prize in a "College for Women" affiliated to the University, or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present $1,100.

### 10. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 2368 Volumes.
2. The Robson Collection of works in Archæology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volum s.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin. Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Sir. Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

### 11. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium, presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells, presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society, presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.

7. The Portrait of Peter Redpath, Esq., painted by Mr. Sidney Hodges of London, and presented by Citizens of Montreal.
8. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., and J. H. Burland, Esq.
9. R. Morton Middleton, Jr., London, Eng. Collection of Plants.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report to the Museum.)

## VI. *The Graduates' Fund.*

### 1. THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution:—

*Resolved*:—"That the members and graduates be invited to subscribe to a "fund for the endowment of the Libraries of the University; said fund to be in-"vested and the proceeds applied under the supervision of the Council of the "Society in annual additions to the Libraries; an equitable division of said pro-"ceeds to be made by the Council between the University Library and those of "The Professional Faculties."

In terms thereof the following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, or in instalments, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Baynes, O'Hara, B.C.L. | $ 05 | Lyman, F. S., B.A., B.C.L. | $ 50 |
| Bethune, M.B., M.A., B.C.L. | 50 | Lyman, H. H., M.A. | 100 |
| Blackader, Alex. D., B.A., M.D. | 50 | Mackenzie, Fred., B.C.L. | 100 |
| Burland, J. H., B.A.Sc. | 120 | Maclaren, J. J., M.A., D.C.L. | 100 |
| Browne, A. A., B.A., M.D. | 50 | Macleod, C. H., Ma.E. | $50 |
| Cline, J. D., B.A., M.D. | 25 | Macmaster, D., B.C.L. | 100 |
| Cushing, Lemuel, LL.D., B.C.L. | 25 | Marler, Wm. DeM., B.A., B.C.L. | 125 |
| Dougall, J. R. M.A. | 50 | McCord, D. R., M.A., B.C.L. | 100 |
| Ells, R. W., LL.D. | 50 | McGregor, James, LL.D. | 80 |
| Empson, Rev. J., M.A. | 25 | Molson, Wm., M.D. | 100 |
| Gardner, Wm., M.D. | 100 | Osler, Wm., M.D. | 100 |
| Gibb, Charles, B.A. | 50 | Ramsay R. A., M.A., B.C.L. | 100 |
| Gilman, F. E., LL.D., B.C.L. | 100 | Rexford, Rev. E. I., B.A. | 50 |
| Gould, C. H., B.A. | 100 | Robertson, Alex., B.A. | 100 |
| Hall, J. S., jun., B.A., B.C.L. | 50 | Robins, S. P., LL.D. | 50 |
| Hall, Rev. W., M.A. | 10 | Roddick, T. G., M.D. | 100 |
| Harrington, B. J., B.A., Ph.D. | 50 | Ross, George M.A., M.D. | 100 |
| Holton, Edward, B.C.L. | 100 | Shepherd, J. F., M.D. | 100 |
| Hutchinson, M., B.C.L. | 5 | Torrance, J. F., B.A., B.A. Sc. | 100 |
| Keller, F. J., B.C.L. | 25 | Trenholme, N. W., M.A., D.C.L. | 100 |
| Kelley, F. W., B.A., Ph.D. | 100 | | |
| Laing, Rev. R., M.A. | 100 | Total to date | $3,090 |

### 2. THE DAWSON FELLOWSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a Fund towards the Endowment of the Fellowship, under the above name.

Details of the scheme can be had from the Treasurer, C. H. McLeod, Esq., Ma.E. The following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, in instalments, without interest or with interest till payment of capital, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Abbott, H., B.C.L. | $ 60 | Lyman, H. H., M.A. | $ 100 |
| Archibald, H., B.A.Sc. | 20 | Lyman, A. C., M.A., B.C.L. | 50 |
| Bethune, M. B., M.A., B.C.L. | 50 | McCormick, D., B.C.L. | 100 |
| Carter, C. B., B.C.L. | 100 | McGibbon, R. D., B.A., B.C.L. | 100 |
| Cruickshank, W. G., B.C.L. | 100 | McGoun, A., jun., M.A., B.C.L. | 50 |
| Dawson, W. B., M.A., Ma.E. | 50 | McLennan, J. S., B.A. | 100 |
| Dougall, J. R., M.A. | 250 | Ramsay, R. A., M.A., B.C.L. | 50 |
| Gibt, C., B.A. | 100 | Spencer, J. W., B.A Sc, Ph.D. | 50 |
| Hall, Rev. Wm., M.A. | 100 | Stephen, C. H., B.C.L. | 100 |
| Hall, J. S., jun., B.A., B.C.L. | 100 | Stewart, D. A., B.A.Sc. | 20 |
| Harrington, B. J., B.A., Ph.D. | 50 | Stewart, J., M.D. | 60 |
| Hutchinson, M., B.C.L. | 400 | Tait, M. M., B.C.L. | 100 |
| Kirby, J., LL.D., D.C.L. | 50 | Taylor, A. D., B.A., B.C.L. | 100 |
| Krans, Rev. E. H., M.A., LL.D. | 100 | Trenholme, N. W., M.A., D.C.L. | 400 |
| Leet, S. P., B.C.L. | 100 | | |
| Lighthall, W. D., M.A., B.C.L. | 100 | Total to date | $3,010 |

# University School Examinations.

1892.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

HELD UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE, AND RECOGNIZED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

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These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls from any Canadian school.

## PART I.—ORDINARY A.A.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

(100 marks each.)

*English Reading.*
*Writing.*
*English Dictation.*
*English Grammar, including easy Analysis.**
*Arithmetic* (all the ordinary rules, including square root and a knowledge of the Metric System).
*Geography* (acquaintance with the maps of each of the four continents, and of British North America).
*British History* and *Canadian History.*
*New Testament History* † (Gospels and Acts, as in Maclear).

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* In the Analysis it is expected that the following scheme will be used: (1) Subject. (2) Attributive Adjuncts of the Subject. (3) Predicate. (4) Complement of the Predicate. (5) Object. (6) Attributive Adjuncts of the Object. (7) Adverbial Adjuncts of the Predicate (Extension). (8) Adverbial Adjuncts of the Complement of the Predicate. In the Analysis of a Complex Sentence, the sentence must be analysed as a whole, and then the clause or clause, which occur in it, in detail.

† Candidates will be exempted from examination in this subject only if their parents or guardians make written objection thereto.

## II. Optional Subjects.

### Section 1.—Languages.

*Latin :—*

| | |
|---|---|
| Caesar —Bell. Gall., Bk. I.<br>Virgil.—Aeneid, Bk. I.<br>Latin Grammar and Prose Composition (Collar's Practical Latin Composition, Part III, or an equivalent.) | 200 marks. |

*Greek :—*

| | |
|---|---|
| Xenophon.—Anabasis, Bk. I.<br>Homer.—Iliad, Bk. IV.<br>Greek Grammar. | 200 marks. |

*French :—*

| | |
|---|---|
| Grammar and Dictation.<br>Darey's Lectures Françaises (selected extracts).<br>Re-translation, English into French. | 100 marks. |

*German :—*

| | |
|---|---|
| Grammar,<br>Adler's Reader, Sections I. and II.<br>Translation from German into English. | 100 do |

### Section 2.—Mathematics.

*Geometry :—*

Euclid, I., II., III, with easy Deductions,..... ..... 100 do

*Algebra :—*

| | |
|---|---|
| Elementary Rules, Involution, Evolution, Fractions, Indices, Surds, Simple and Quadratic Equations of one or more unknown quantities. | 100 do |

*Plane Trigonometry.*

(As in Hamblin Smith, pp. 1-100, omitting Ch. XI). 100 do

### Section 3.—English.

*The English Language :—*

| | |
|---|---|
| Meiklejohn's English Language, Pts. I., II., III.<br>Trench's Study of Words. | 100 do |

*English Literature :—*

| | |
|---|---|
| Meiklejohn's English Language, Pt. IV.<br>Shakespeare, Julius Caesar.<br>Scott's Lady of the Lake. | 100 do |
| *History.*—(As in Primers of Greece and Rome, and Collier's Great Events )..... ..... | 100 do |
| *Geography.*—Physical, Political and Commercial..... | 100 do |

## Section 4.—Natural and Physical Sciences, etc.

| | | |
|---|---|---|
| *Zoology* (as in Nicholson's Introductory Text-Book)..... | 100 | do |
| *Botany** (as in Spotton's High School Botany, with Analysis according to the method of Nelson's "Herbarium and Plant Descriptions.")..... | 100 | do |
| *Chemistry* (as in Remsen's Elements of Chemistry, pp. 1 to 160). | 100 | do |
| *Physiology and Hygiene* (as in Cutter's Intermediate)..... | 100 | do |
| *Physics* (as in Gage and Fessenden's High School Physics, Chapters I., II., III.)..... | 100 | do |
| *Geometrical and Freehand Drawing*..... | 100 | do |

*Geometrical.*—Vere Foster, $R^1$; $R^2$; $R^3$, problems 119 to 129.

*Freehand.*—Rules of Perspective, Drawing from the object (as in the Dominion Freehand Drawing Books, numbers 1 to 5, inclusive.)

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### REGULATIONS.

1. To obtain the Certificate of Associate in Arts, Candidates must pass in all the Preliminary subjects, and also in any six of the Optional subjects, provided that the six include one subject at least from each of the four Sections.

2. In addition to the six Optional subjects selected for passing, Candidates may take other Optional subjects, but the total possible number of marks obtainable in all the Optional subjects chosen must not exceed 1100.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least 34 per cent. of the total number of marks obtainable in that subject.†

4. The total number of Marks gained by every Candidate in the Optional subjects shall be added up, and the Candidates arranged in order of merit in a printed list, at the close of the Examination, those who are over 18 years of age on the first day of June being in a separate list. No marks in any subject shall be counted, unless the Candidate has passed in that subject.

5. Candidates who obtain at least 67 per cent. of the marks in any Optional subject will be entitled to a certificate of creditable answering in that subject, provided they satisfy the conditions for Associate in Arts.

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* In connection with the Botany examination, credit will be given for collections of mounted specimens made in accordance with Penhallow's Guide to the Collection and Preservation of Plants. The Head Teacher of each school will forward with the answers a specimen from each pupil's collection, and also (on a furnished form) a detailed statement as to the collections made. Not more than 50 specimens will be expected to constitute a collection, but marks may be allowed *pro rata* for fewer.

†When (*e. g.*, in History, English Language, etc.) two or more books or subjects are prescribed for one examination it is necessary to pass in each. Candidates will not be allowed to pass in the Preliminary Grammar, unless they show a satisfactory knowledge of Syntax (Parsing, Analysis, and questions connected therewith). In Classics, at least one-third of the marks allotted to grammar must be obtained.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science.

7. Candidates who fail, or who may be prevented by illness from completing their examination, may come up at the next examination without extra fee.

8. Candidates who pass in all the Preliminary subjects may at the next examination take the Optional subjects only, and without extra fee.

9. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

10. The examinations will begin on Wednesday, June 1st, at 9 a.m.

11. Lists of the names, ages, and Optional subjects to be taken by the Candidates, together with the fee of $4 for each Candidate, must be transmitted to the Secretary, McGill University, Montreal,on or before May 1st. (Blank forms and copies of the Regulations will be furnished on application.)

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Extracts from Darey's Lectures Françaises, for the examination of 1892.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156, 158, 162, 166, 169, 176, 179, 182, 196, 215.

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NOTE 1.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee; but in order to obtain the certificate from the Universities, the prescribed fee, viz.: $4.00, must be paid to the Secretary of the University Examiners.

Candidates who pass Grade II. of the Academy Course of Study will, in the following year, be exempted from the Preliminary Subjects of the A.A. Examination.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application, to the English Secretary, Department of Public Instruction, Quebec.

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NOTE 2.—MATRICULATION SUBJECTS REFERRED TO IN REG. 6.

*In Arts.*—Greek, Latin, Geometry, Algebra, Arithmetic, English Dictation, English Grammar, British History. (Women may substitute French for Greek.)

*In Applied Science.*—Geometry, Algebra, Trigonometry, Arithmetic, English Dictation, English Grammar.

After entrance in Arts or Applied Science, French or German must be studied. In the former subject an entrance examination is required, but may be passed either in June or in September; Candidates who are unable to pass must study German after entrance. Women who omit Greek must pass the entrance examination in French, and afterwards study both French and German.

[Matriculation Examinations are also held at the opening of the University Session in September. See Calendars of the Universities.]

## PART II.—ADVANCED A.A.

### SUBJECTS OF EXAMINATION.

I. PRELIMINARY SUBJECTS.

As under Part I.

II. OPTIONAL SUBJECTS.

### Section 1.—Languages.

*Latin* :—

Virgil.—Aeneid, I.

Cicero.—In Catilinam, I. and II.

Grammar, Prose Composition (Collar's Practical Latin Composition, Parts III. and IV.), and Translation at sight from Caesar and Nepos

*Greek* :—

Xenophon.—Anabasis, I. and II.

Homer.—Iliad, IV., and Odyssey VII.

Grammar and Prose Composition (Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25).

*French* :—

Lamartine, Jeanne d'Arc.

Molière, Le Bourgeois gentilhomme.

Translation at sight from French into English, and from English into French.

Grammar and Dictation.

*German* :—Similar to French (subjects will be announced later).

### Section 2.—Mathematics.

*Geometry* :—

Euclid, Bks. I. to IV., Defns. of Bk. V., Bk. VI.

*Algebra* :—

To the end of Progessions.

*Trigonometry* :—

As in Hamblin Smith (the whole).

### Section 3.—English.

*The English Language* :—

Lounsbury's History of the English Language.

Mason's English Grammar.

A composition.

*English Literature:—*

Meiklejohn's English Language, Pt. IV.
The Elizabethan Period (Morley's First Sketch).
Milton's Paradise Lost, Bks. I. and II.

*History:—*

Grecian History.—The Persian and Peloponnesian Wars.
Roman History.—From the Wars of Marius and Sulla to the death of Tiberius.
English History.—The Reformation and Puritan England, as in Green's Short History.

## Section 4.—Natural and Physical Science, &c.

*Botany.*—Gray's Text Book.
General Morphology and Classification, Determination of Canadian species exclusive of Thallophytes. Distribution of Orders represented in Canada.

*Chemistry.*—Inorganic, as in Remsen's Elements.
Also, an examination in Practical Work.

*Physics.*—As in Gage and Fessenden's High School Physics.
Also, an examination in Practical Work.

*Drawing.*—Orthographic Projection, including Simple Penetrations, Developments and Sections, as in Davidson's Orthographic Projection.

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## REGULATIONS.

The Regulations of Part I., with the following modifications and additions, will apply to the advanced subjects: —

1. Candidates who pass in six of the advanced subjects (including one at least from each of the four Sections) will receive a Senior or Advanced A.A. certificate. The number of marks given to each subject will be the same as in Part I., and additional advanced subjects may be taken as in Reg. 2, Part I.

2. Candidates who fail in one or more of the subjects required for the advanced A.A. may, on the recommendation of the Examiners, be given an ordinary A.A. certificate.

3. The examinations in the advanced subjects will be held at the same time and in the same manner as those in the ordinary subjects. They will be open to all who have already passed in the preliminary subjects, whether they have taken the ordinary A.A. or not. The preliminary subjects must be taken either one or two years before the advanced subjects.

4. Candidates who pass the advanced examinations in Greek, Latin, Geometry, Algebra, and English Language* shall be considered as having passed the Higher Matriculation Examination of the First year in Arts, McGill University.

5. Candidates must, before May 1st, give notice of intention to present themselves for the examination, specifying the optional subjects in which they wish to be examined.

6. The ordinary fee of $4.00 † must be paid before taking the preliminary subjects, and an additional fee of $10.00 at the time of making application for the advanced examinations.

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* French as in Part I. Note 2.

† Except in the case of Candidates from Academies under the control of the Protestant Committee of the Council of Public Instruction.

# School Examinations.

## STANDING IN THE EXAMINATIONS, 1891.

### ASSOCIATES IN ARTS.

*I. Candidates under 18 years of age.*

| No. | | | |
|---|---|---|---|
| 1. | Samuel G. Archibald (High School, Montreal), | 913 | Marks. |
| 79. | Carroll D. Dyke (Coaticook Academy), | 890 | " |
| 9. | Morell McK. Duff (High School, Montreal), | 855 | " |
| 2. | Edgar N. Armstrong (High School, Montreal), | 843 | " |
| 21. | Charles E. Von Barnveld (High School, Montreal), | 816 | " |
| 23. | Lillian M. Carnochan (Girls' High School, Montreal), | 800 | " |
| 11. | Frank W. Fourney (High School, Montreal), | 752 | " |
| 7. | George A. Campbell (High School, Montreal), | 751 | " |
| 194. | Anna McAmmond (Stanstead Wesleyan College), | 734 | " |
| 14. | Cecil C Pangman (High School, Montreal), | 724 | " |
| 42. | George F. Gibsone (High School, Quebec), | 723 | " |
| 218. | Isabella F. Frost (Waterloo Academy), | 674 | " |
| 18. | Frederick T. Tooke (High School, Montreal), | 669 | " |
| 50. | Bertha E. Clarke (Girls' High School, St. John, N.B.), | 661 | " |
| 28. | Ethel M. Doull (Girls' High School, Montreal), | 648 | " |
| 17. | Oswald Smyth (High School, Montreal), | 645 | " |
| 33. 44. | Edith H. Locke (Girls' High School, Montreal), / William B. Taylor (High School, Quebec), } equal | 639 | " |
| 22. | L. Ethel Armstrong (Girls' High School, Montreal), | 619 | " |
| 190. | Jennie A. Anderson (Stanbridge E. Model School), | 617 | " |
| 26. | Florence E. Cushing (Girls' High School, Montreal), | 604 | " |
| 70. | Charles W. Woodworth (Bedford Academy), | 595 | " |
| 8. 188. | Shirley Davidson (High School, Montreal), / Mary A. Rugg (Girls' Academy, Sherbrooke), } equal | 583 | " |
| 102. | Edward D. Mansfield (Cowansville Academy), | 582 | " |
| 199. | Rosa Whitney (Stanstead Wesleyan College), | 577 | " |
| 10. | L. Aubrey Dyer (High School, Montreal), | 575 | " |
| 12. | Melville Miller (High School, Montreal), | 571 | " |
| 189. | Jessie M. Shirreffe (Girls' Academy, Sherbrooke), | 564 | " |
| 25. | Annie A. Corneil (Girls' High School, Montreal), | 557 | " |
| 3. | Frederick M. Becket (High School, Montreal), | 542 | " |
| 27. | K. E. Louise Dawson (Girls' High School, Montreal), | 541 | " |
| 56. | Elizabeth H. Roderick (Girls' High School, St. John, N.B.), | 532 | " |
| 186. | William M. Steele (Boys' Academy, Sherbrooke), | 518 | " |

59. Lizzie M. White (Girls' High School, St. John, N.B.), } equal 517 Marks.
104. M. Winnifred Boutelle (Danville Model School), }
16. William H. Robertson (High School, Montreal), 512 "
6. Anson H. Campbell (High School, Montreal), 510 "
88 Clara M. M Bailey (Cookshire Model School), 508 "
142. Arthur J. White (Huntingdon Academy), 489 "
147. Maggie Hanran (Inverness Academy), 487 "
197. Ethelwynn M Tweddell (Stanstead Wesleyan College), 483 "
84. Clara J. Trenholme (Coaticook Academy), 482 "
60. Laura R. Wilson (Girls' High School, St. John, N.B.), 474 "
159. Dean H. Pettes (Knowlton Academy), 471 "
178. Mary A. Whelen (Portage du Fort Model School), 470 "
53. Jessie M. Hayes (Girls' High School, St. John, N.B.), } equal 467 "
157. Beatrice M. McGowan (Knowlton Academy), }
94. Lillie A. McCaskill (Cookshire Model School), 466 "
201. William Chubb (St. Johns High School), 457 "
78. Algernon E. Doak (Coaticook Academy), } equal 454 "
81. Mamie M. McKenna (Coaticook Academy), }
156. May Marsh (Knowlton Academy), 449 "
38. Edith M. Woods (Girls' High School, Montreal), }
185. Wilkie B. McCaw (Boys' Academy, Sherbrooke), } equal 444 "
207. Percy C. Anderson (Sutton Model School), }
91. Evelyn A. Fraser (Cookshire Model School), 443 "
154. James A. Thompson (Inverness Academy), 436 "
180. Katie Armstrong (Shawville Academy), 435 "
158. Edith Moses (Knowlton Academy), 423 "
101. Morris Chas. Hutchins (Cowansville Academy), 421 "
66. Howard C. Symmes (Aylmer Academy), 414 "
175. Annie Beckett (Portage du Fort Model School), 403 "
127. Barbara J. Hamilton (Huntingdon Academy), 393 "
160. Lena Soules (Knowlton Academy), 391 "
200. Florence C. Campbell (High School, St. Johns), 382 "
126. Agnes May Gilmore (Huntingdon Academy), 371 "
110. Walter R. Hibbard (Dunham Model School), 364 "
111. Christina M. Beard (Gould Model School), 358 "
77. Emma G. Baldwin (Coaticook Academy), 350 "
162. Tina E. Traver (Knowlton Academy), 342 "
80. Luna E. Edwards (Coaticook Academy), 321 "
184. Leon J. Ball (Boys' Academy, Sherbrooke), 306 "
135. Mary E. Neville (Huntingdon Academy), 303 "

*II. Candidates over 18 years of age.*

146. Gardiner Grady (Inverness Academy), 828 "
58. Katherine H. Travis (Girls' High School, St. John, N.B.), } equal 714 "
193. W. Alfred Gustin (Stanstead Wesleyan College), }

| | | |
|---|---|---|
| 46. | Ina S. Brown (Girls' High School, St. John, N.B.), | 676 Marks. |
| 69. | Nellie G. Sulley (Bedford Academy), | 663 " |
| 90. | Abegail J. Cairns (Cookshire Model School), | 652 " |
| 55. | Mary I. Jordan (Girls' High School, St. John, N.B.), | 650 " |
| 220. | Thomas J. Slack (Waterloo Academy), | 629 " |
| 181. | Ernest W. Hodgins (Shawville Academy), | 610 " |
| 116. | George D. Fuller (Granby Academy), | 604 " |
| 48. | Susan E. Cameron (Girls' High School, St. John, N.B.), | 600 " |
| 198. | Laura Vipond (Stanstead Wesleyan College), | 572 " |
| 68. | James E. Collins (Bedford Academy), | 566 " |
| 51. | Mary W. Davidson (Girls' High School, St. John, N.B.), | 563 " |
| 131. | Francis M. McNaughton (Huntingdon Academy), | 559 " |
| 124. | Alexander W. Cameron (Huntingdon Academy), | 558 " |
| 209. | Edward O. Dyer (Sutton Model School), | 554 " |
| 52. | Alice Gibson (Girls' High School, St. John, N.B.), | 539 " |
| 106. | Thomas Donnelly (Danville Model School), | 515 " |
| 187. | Maude M. Johnson (Girls' Academy, Sherbrooke), | 512 " |
| 49. | Agnes L. Carr (Girls' High School, St. John, N.B.), | 509 " |
| 112. | Thomas B. McDonald (Gould Model School), | 501 " |
| 19. | Harry R. Trenholme (High School, Montreal), | 496 " |
| 40. | Edith Dobell (Trafalgar Institute, Montreal), } equal | 488 " |
| 134. | Mary F. Moore (Huntingdon Academy), } | |
| 57. | Margaret A. Stewart (Girls' High School, St. John, N.B.), | 482 " |
| 150. | David McHarg (Inverness Academy), | 475 " |
| 67. | Thos. J. Symmes (Aylmer Academy), | 467 " |
| 155. | Elizabeth O. Wood (Inverness Academy), | 466 " |
| 183. | Ralph W. Hodgins (Shawville Academy), | 465 " |
| 54. | Jeanie B. Johnstone (Girls' High School, St. John, N.B.), | 447 " |
| 41. | Thomas A. McMartin (Private Tuition), | 442 " |
| 129. | Mary V. McGregor (Huntingdon Academy), | 433 " |
| 136. | Susie E. Nolan (Huntingdon Academy), | 430 " |
| 98. | Frederick A. Planche (Cookshire Model School), } equal | 428 " |
| 149. | Minnie C. Lord (Inverness Academy), } | |
| 115. | Walter M. Fisk (Granby Academy), | 422 " |
| 15. | Edward A. Prentice (High School, Montreal), | 415 " |
| 132. | Peter McNaughton (Huntingdon Academy), | 411 " |
| 153. | Jessie Sutherland (Inverness Academy), | 404 " |
| 165. | Malinda V. F. Creswell (Lachute Academy), | 403 " |
| 82. | Alice M. Nunns (Coaticook Academy), } equal | 398 " |
| 213. | Annie L. Smith (Sutton Model School), } | |
| 212. | Kathleen F. O'Regan (Sutton Model School), | 390 " |
| 105. | Jessie Crack (Danville Model School), | 379 " |
| 65. | Robert W. Neill (Aylmer Academy), | 377 " |

JUNIOR CERTIFICATES.

*I. Candidates under 18 years of age.*

| | | |
|---|---|---|
| 24. | Ethel G. Claxton (Girls' High School, Montreal), | 605 Marks. |
| 29. | Winnifred I. Hearle (Girls' High School, Montreal), | 478 " |
| 5. | Thomas M. Brown (High School, Montreal), | 425 " |
| 210. | Sophronia M. Harvey (Sutton Model School), | 376 " |
| 128. | Marion E. Lewis (Huntingdon Academy), | 375 " |
| 36. | Bessie McH. Reid (Girls' High School, Montreal), | 370 " |
| 31. | Alice M. Jordan (Girls' High School, Montreal), | 369 " |
| 123. | John C. Bruce (Huntingdon Academy), | 356 " |
| 83. | Jennie E Nunns (Coaticook Academy), | 322 " |
| 143. | Lorne McK. Arkley (Inverness Academy), | 300 " |
| 39. | Amy F. Young (Girls' High School, Montreal), | 298 " |
| 130. | James D. McNair (Huntingdon Academy), | 295 " |
| 167. | Phœbe A. M. McOuat (Lachute Academy), | 278 " |
| 215. | Clair Baxter (Three Rivers Academy), | 275 " |
| 211. | Gertrude O'Regan (Sutton Model School), | 254 " |
| 214. | Mabel M. Wallace (Sutton Model School), | 244 " |
| 208. | Clelland W. Currie (Sutton Model School), | 235 " |
| 119. | Chauncey K. Lough (Hull Model School), | 228 " |
| 75. 97. | Edith C. Vaughan (Clarenceville Academy), Persis L. Plaisance (Cookshire Model School), } equal | 205 " |

*II. Candidates over 18 years of age.*

| | | |
|---|---|---|
| 30. | Annie Jackson (Girls' High School, Montreal), | 372 " |
| 122. | Elizabeth S. Brown (Huntingdon Academy), | 366 " |
| 100. | Jane Broughton (Cowansville Academy), | 338 " |
| 139. | Isabella J. Stowell (Huntingdon Academy), | 309 " |
| 163. | Mary E. Armstrong (Lachute Academy), | 278 " |
| 191. | William S. Ball (Stanstead Wesleyan College), | 245 " |
| 47. | Mary E. Brown (Girls' High School, St. John, N.B.), | 232 " |

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## McGILL UNIVERSITY, MONTREAL.

JUNE, 1891.

The following Candidates have passed the Examinations required for Entrance.

*I. In Arts.*

| | | | |
|---|---|---|---|
| Anderson, Jennie A., | Stanbridge E., Q | Blow, Thomas H., | Kemptville, O |
| Anderson, Percy C., | Abercorn, Q | Brown, Ina S., | St John, N.B |
| Archibald, Samuel G., | Montreal, Q | Cairns, Abigail J., | Cookshire, Q |
| Armstrong, Edgar N., | Montreal, Q | Cameron, Alex. W., | Huntingdon, Q |
| Armstrong, Katie, | Shawville, Q | Cameron, Susan E., | St John, N.B |
| Bates, Chas. W., | Almonte, O | Campbell, Florence C., | St Johns, Q |
| Beard, Christina M., | Gould, Q | Campbell, George A., | Montreal, Q |
| Beckett, Annie, | Portage du Fort, Q | Carnochan, Lillian M., | Montreal, Q |

| | |
|---|---|
| Chalmers, Louisa H., | Granby, Q |
| Clark, Jos. A. M., | Ridgetown, O |
| Clarke, Bertha E., | St John, N.B |
| Cushing, Florence E., | Montreal, Q |
| Davidson, Mary W., | St John, N.B |
| Davidson, Shirley, | Montreal, Q |
| Delahey, Fred. C., | Pembroke, O |
| Dyer, Edward O., | Sutton, Q |
| Dyke, Carroll D., | Coaticook, Q |
| Edmison, John H., | Owen Sound, O |
| Elliott, Andrew S., | Woodstock, O |
| Fourney, Frank W., | Montreal, Q |
| Frost, Isabella F., | Waterloo, Q |
| Galbraith, Arch., | Toronto, O |
| Gibson, Alice, | St John, N.B |
| Gibson, George F., | Quebec, Q |
| Griggs, Alice J., | Coaticook, Q |
| Gun, Arthur, | Durham, O |
| Gustin, W. Alfred, | Fitch Bay, Q |
| Harvey, Sophronia M., | Abercorn, Q |
| Hayes, Jessie M., | St John, N.B |
| Hickson, J. C., | Montreal, Q |
| Jordan, Mary I., | St John, N.B |
| Mansfield, Edward D., | Cowansville, Q |
| Marsh, May, | Knowlton, Q |
| McAmmond, Anna, | North Augusta, O |
| McGannon, A. V., | Brockville, O |
| McGowan, Beatrice M., | Knowlton, Q |
| McGregor, Mary V., | Huntingdon, Q |
| McNaughton, Fran. M., | Huntingdon, Q |
| Milloy, Jas. G., | Glencoe, O |
| Mitchell, Albert T. G., | Montreal, Q |
| Moffatt, William, | Ormstown, Q |
| Moore, Mary F., | Huntingdon, Q |
| Moses, Edith, | Knowlton, Q |
| O'Regan, Kathleen F., | Sutton, Q |
| Pettes, Dean H., | Knowlton, Q |
| Robson, Amanda, | Huntingdon, Q |
| Routledge, J. W., | Woodstock, O |
| Shaver, H. E., | Stratford, O |
| Shirreffe, Jessie M., | Sherbrooke, Q |
| Smith, Annie L., | Abercorn, Q |
| Smyth, Oswald, | Montreal, Q |
| Solandt, Donald, | Inverness, Q |
| Sulley, Nellie G., | Mystic, O |
| Symmes, Howard C., | Aylmer, Q |
| Symmes, Thomas J., | Aylmer, Q |
| Taylor, William B., | Quebec, Q |
| Tooke, Fred. T., | Montreal Q |
| Travis, Katherine H., | St John, N.B |
| Trenholme, Clara J., | Coaticook, Q |
| Tweddell, Ethelwynn M., | Stanstead, Q |
| Vipond, Laura, | Hudson, Q |
| Walker, Donald, | Ormstown, Q |
| Watson, Rosalind, | Huntingdon, Q |
| Watt, Jas. C., | Almonte, O |
| Whelan, Mary A., | Portage du Fort, Q |
| White, Lizzie N., | St John, N.B |
| Whiteaves, Anna M., | Ottawa, O |
| Whitney, Rosa, | Stanstead, Q |
| Whitton, David, | Ottawa, O |
| Wilson, H. G., | Almonte, O |

*II. In Applied Science.*

| | |
|---|---|
| Angus, Willie F., | Montreal, Q |
| Arkley, Lorne M., | Inverness, Q |
| Aveling, Arthur P., | St. Catharines, O |
| Balloch, Guy R., | Centreville, N. B. |
| Baxter, Clair, | Three Rivers, Q |
| Becket, Fred. M., | Montreal, Q |
| Brown, Thomas M., | Montreal, Q |
| Bruce, John C., | Huntingdon, Q |
| Campbell, Anson H., | Montreal, Q |
| Carron, Fred. B., | Brockville, O |
| Chubb, William, | St. Johns, Q |
| Clements, Fred. S., | Fredericton, N. B. |
| Collins, Jas. E., | Clarenceville, Q |
| Currie, Clelland W., | Abercorn, Q |
| Doak, Algernon E., | Coaticook, Q |
| Donnelly, Thomas. | Danville, Q |
| Duff, Morell McE., | Montreal, Q |
| Dyer, L. Aubrey, | Montreal, Q |
| Edwards, Fred. E., | Irvine, Q |
| Fuller, George D., | Granby, Q |
| Gillanders, Walter, | Inverness, Q |
| Grady, Gardiner, | Inverness, Q |
| Hibbard, Walter R., | Dunham, Q |
| Hodgins, Ernest W., | Shawville, Q |
| Hodgins, Ralph W., | Shawville, Q |
| Hutchins, Morris Chs., | Cowansville, Q |
| Johnson, Ed. P., | Ottawa, O |
| Johnston, Grant S., | Inverness, Q |
| Lauder, S., E., | Durham, O |
| McCaw, Wilkie B., | Sherbrooke, Q |
| McDonald, Thomas B., | Gould, Q |
| McHarg, David, | Inverness, Q |
| McMartin, Thos. A., | Grande Frenière, Q |
| McNair, Jas. D., | Huntingdon, Q |
| McNaughton, Peter, | Huntingdon, Q |
| McRae, James F., | Cookshire, Q |
| Merrick, J. H., | Merrickville, O |
| Miller, Melville, | Montreal, Q |
| Neill, Robert W., | Aylmer, Q |
| Pangman, Cecil C., | Montreal, Q |
| Prentice, Edward A., | Montreal, Q |
| Robertson, William H., | Montreal, Q |
| Saunderson E. L. W., | Montreal, Q |
| Scott, Alfred, | Port Hope, O |
| Slack, Thomas J., | Waterloo, Q |
| Steele, William M., | Sherbrooke, Q |
| Sutherland, James, | Inverness, Q |
| Thompson, Jas. A., | Kinnear's Mills, Q |
| Trenholme, Harry R., | Montreal, Q |
| Von Barnveld, Chs. E., | Montreal, Q |
| Watson, S. E., | Woodstock, O |
| White, Arthur J., | Huntingdon, Q |
| Woodworth, Chs. W., | Bedford, Q |

## PASSED THE PRELIMINARY SUBJECTS.

(In order of numbers.)

45 87 92 95 117 118 152 206 253 257 259 261 263 264
265 266 270 271 272 273 275 276 278 280 281 282 283 284
285 286 288 291 292 293 296 297 298 299 302 304 305 306
307 308 309 310 311 312 313 314 315 316 317 318 319 320
321 322 323 324 325 326 328 330 331 332 333 334 335 336
337 338 340 346 353.

Also 176 Academy pupils, examined at Quebec.

## STANDING IN THE OPTIONAL SUBJECTS.

[The numbers correspond with those in the preceding lists. Candidates whose numbers are in parentheses are equal in standing. Those preceding a single asterisk have obtained at least two-thirds of the marks; those preceding a double asterisk, at least one-half; those following, at least one-third. Numbers 1-21, 250-296, 352-355 are from the Montreal High School; 22-33, 36-39, 297-333 from the Girls' High School, Montreal; 40 from the Trafalgar Institute, Montreal; 41 Private Tuition; 42-44, 342-351 from the High School, Quebec; 45-60 from the Girls' High School, St. John, N.B.; 61-67 from Aylmer Academy; 68-70 from Bedford Academy; 73-76 from Clarenceville Academy; 77-86 from Coaticook Academy; 87-99 from Cookshire Model School; 100-102 from Cowansville Academy; 103-108 from Danville Model School; 109-110 from Dunham Model School; 111-112 from Gould Model School; 113-116 from Granby Academy; 117 from Hatley Model School; 118-121 from Hull Model School; 122-124, 126-142 from Huntingdon Academy; 143-155 from Inverness Academy; 156-162 from Knowlton Academy; 163-168 from Lachute Academy; 169-174 from Mansonville Model School; 175-179 from Portage du Fort Model School; 180-183 from Shawville Academy; 184-186 from Sherbrooke Boys' Academy; 187-189 from Sherbrooke Girls' Academy; 190 from Stanbridge East Model School; 191-199 from Stanstead Wesleyan College; 200-206 from St. Johns High School; 207-214 from Sutton Model School; 215-216 from Three Rivers Academy; 217-218, 220 from Waterloo Academy; 334-338, 340 from Misses Symmers and Smith's School, Montreal.]

*Latin* (Ordinary).—69, 188, 193, (194, 199), 141, (113, 133), 115, 151, 150, 166, (78, 81, 124, 131, 189, 197, 202), (102, 206), 190, *90, 181, 137, (148, 157, 164, 182), (84, 134, 158, 180), 168, (156, 161, 171), (66, 135, 207, 216), (67, 198, 209), 77, (175, 191, 205), (98, 123, 159, 177), (76, 144, 170, 186), (82, 83, 165, 178, 184, 210, 213),** (80, 140, 146), (75, 200, 212, 215), 201, (130, 179), (119, 129), (70, 101, 116), (172, 192), (117, 185), (68, 112).

*Latin* (Advanced).—1, 23, 58, 86, 50, 2, 49, 55, 28, 17, 24, 33*, (53, 79), 48, (42, 52, 56), 27, 51, (7, 218), 26, 54, 11 (18, 22, 34, 40)**, 10, 8, 57 (44, 111), 59, 25, 43, 20, 47, 46, 220, 112.

*Greek* (Ordinary).—194, 102, 193*, 79, 67, 66, 133, 209**, 207, (86, 124), (140, 212), 161, (159, 192, 213), 210, (69, 208, 211).

*Greek* (Advanced).—2, (7, 141), 1, 8*, 11, (18, 151), 17**, 44, 113, 42, 137, 131.

*French.*—(7, 79), 189, 188, (21, 24), 141, (5, 28, 58), 42, (2, 51, 166), (9, 60, 218), 23, (30, 201), (137, 190), (17, 101, 187), (46, 193, 197), (18, 33, 40, 155, 220), (1, 115)*, (22, 37, 44, 86, 158, 216), (157, 181), (25, 127), (34, 159), 50, (11, 69, 128), (19, 29, 113, 129, 147), (6, 178, 182, 193, 199), (126, 213), (32, 70, 144, 215), (78, 133, 136, 146, 209), (55, 90, 156, 162, 164, 210), (12, 39, 102, 124, 161), (59, 94), (16, 26, 131, 139, 206), 8, (186, 194, 203), (134, 177)**, (68, 180, 207), (14, 88, 97, 123, 179, 198), (122, 171), (41, 48, 151), 183, (13, 53, 76, 91, 149, 212), (104, 117, 167,) (135, 160), (10, 36, 145, 185), (52, 200), (3, 110, 217), (43, 140, 154, 175), (89, 148, 184), 214, (66, 111, 211), (85, 100), (15, 31, 116, 142, 208), (105, 138), (38, 65, 67, 98, 106, 112, 118, 130, 132, 143, 153, 170, 202).

*French Reading at Montreal.*—33, (21, 23), 22, (13, 32, 34, 40, 41), (2, 5, 12, 25)*, (11, 19, 27, 28, 29, 37, 39), (1, 18, 24, 36), (6, 9, 14, 26, 30)**, (3, 31, 38), (8, 17), (7, 10, 16, 20), 15.

*German.*—32, 23, 34, 28, (22, 33) (29, 37), (24, 25), 21*, 36, (9, 26), 38, 31**, 30, 14.

*Geometry.*—58, 209, 102, 12, 156, 86, (146, 151, (9, 10), 3, (1, 21), 79, (198, 218), 194, (51, 133), 159, 68, (141, 158), (42, 131), 56, 124, (2, 8, 11, 48, 144, 177, 197, 199, 201), (110, 113), (14, 105, 148), (145, 193), (6, 101), (46, 50, 112, 160, 171), (96, 190)*, 49, 70, 104, 181, (20, 150, 157), 183, 72, 69), (81, 210), (18, 52, 90), (44, 57, 99, 106), (5, 7, 17 78), (129, 154), (41, 88, 137), 45, 168, (27, 59, 132), (4, 60, 116, 165), (67, 92, 127, 128, 179), (94, 178, 187), (134, 140, 149), 153, (23, 147, 152, 200), (16, 180), 100**, (53, 54, 71, 220), 191, (25, 77), (55, 136, 189, 192), 93, (43, 126, 207), (138, 175, 185), (26, 130), (66, 75, 82, 84, 139, 142), 172, (123, 216), (19, 65), (15, 109, 155, 213,) 22, (38, 162), (61, 103, 169, 211), (76, 95, 186, 214,) (111, 143, 164, 212, 215), 85, 208, (13, 63).

*Algebra.*—58, 69, 79, 146, (46, 55, 59, 147, 194), 209, 144, 104, 141, (81, 137), 201, 188 (44, 190, 218), (11, 78, 153, 154), (2, 106, 123, 128, 148, 149, 151), (14, 90), (155, 207), 42, (67, 181,) 187, (86, 186), (1, 138, 150), (60, 180), (68, 92, 152, 193, 216), (88, 97), (70, 72), 105, (5, 84, 135, 156), (71, 189), (50, 142, 145, 182, 206), 9, (48, 57, 119, 143), (18, 127, 136, 212), 40, (41, 124, 171)*, (23, 53, 113), (20, 132), (49, 52, 54), 112, (21, 82, 133, 197), (129, 185), (45, 76, 134, 140, 210), 162, 4, (15, 47, 126), (51, 139), (12, 56, 61, 83, 160, (19, 62, 63, 107, 122, 164), (10, 66, 85, 130, 157, 211), (28, 116), 165, (65, 183, 199), 7, (95, 98, 99, 118, 158, 159, 167, 177,) (27, 96, 111)**, (94, 220), 33, (64, 170, 198), 34, 178, (102, 208), 214, (173, 215), (120, 131), (168, 205), (16, 161, 184), (174, 179, 217), (115, 175), (109, 110, 200), (6, 163), (13, 91, 213), (75, 77, 101), (8, 196), 80, (3, 17, 26).

*Trigonometry.*—151, 146, 141, 14, 1, 21, 9, 181, (10, 44), 12, 11, 106,* (2, 20), 17, (6, 183), 142, 137, 7, 18**, (16, 42, 132), 3, (8, 19), (15, 113), (43, 131).

*Natural Philosophy.*—79, 220, 86*, 65, 218, 193, (80, 194)**, 78, 196.

*Drawing.*—12, 29, 14, 26, 151, 31, 146,* 22, 38, 21, (24, 188), 186, (9, 33, 36), (23, 30), (3, 27), 116, 16, (6, 70)**, 187, (10, 28, 46), 58, (25, 39, 56), (37, 48), (50, 53, 68), 59, (19, 88), 86, 89, 91, 32.

*English Language.*—1, 28, 24, (23, 27, 33)*, 9, 7, 22, (16, 25), 11, 17, 40, 20, 29, 26,** (37, 39, 60), (31, 58), 3, 14, 2, (90, 91), 38, (8, 15), (21, 36, 59, 220), 18, 30, 50.

*English Literature.*—20, (21, 51), (1, 23), 21, 28, 14, 79, 15, (22, 38), 29, 40, (7, 25, 48), (33, 57), (27, 188) (9, 18, 86), (16, 91), 218, 46, (151, 189), (10, 220)*, (2, 190), (36, 84), (39, 50), (6, 11, 49, 141), (17, 82), (5, 42, 67, 78, 90, 104, 112), (37, 56) (19, 115, 124), (52, 69), (53, 60, 106, 142), (3, 26, 157, 164, 166), (98, 159), (44, 134, 181, 183), (96, 111, 185, 187)**, (12, 45, 85, 95, 207), (66, 80, 177), 55, 47, (31, 116, 122, 209), (100, 163, 165), (30, 65, 103, 156, 178), 8, (113, 131), (4, 54, 102, 140, 158, 161, 162, 213), (13, 70, 93, 94, 133, 175, 212), (81, 88, 136, 137), 99, (43, 68, 76, 83, 87, 92, 160), (61, 186), (101, 117, 132), (59, 75, 77, 89, 179, 184).

*History.*—22, 42, (112, 193), 26, 199*, (44, 102, 194), 198, 190, 101**, 65, 100, 207.

*Geography.*—151, 146, 193, (116, 147, 154), 58*, (46, 49, 148), 198, 5, 150, (120, 145, 155), (9, 115, 123), 1, 41, 144, 149, (10, 12, 19, 55), (3, 6), (2, 16, 102, 167), (11, 91, 141, 153), (143, 200), (7, 21), 152**, 126, (15, 18, 95, 117, 136, 142, 171), (13, 128, 131, 135, 180, 202), (8, 54, 70, 96, 132, 140, 201, 209), (14, 68, 93, 122, 124, 127, 190), (45, 133, 166, 183), 138, (52, 69, 137, 168, 220), (90, 216), (17, 42, 57, 92, 99, 113, 177), (98, 119, 169, 181, 192, 205), (165, 182, 185, 208, 212), (20, 94, 191, 213), (172, 175), (163, 170, 214), (73, 89, 134, 178, 186, 211), (76, 88, 129, 210).

*Botany.*—(90, 151), 116, 79, 155, 104, (94, 145), 91, (31, 98) 19, (23, 69, 113), 148, 24, (2, 9, 40), 220, (29, 106, 146, 187), (51, 88), 86, (37, 70), (3, 21, 33. 142), (49, 55, 77, 100, 147)*, (27, 46, 48, 189), (38, 83, 149), (25, 54, 84, 122), 171, (41, 82, 92), (36, 153), (58, 89, 190), (103, 218), (68, 81, 134), (39, 150, 175), (129, 178), 132, (50, 177), (139, 179)**, 16, 6, 126, (28, 52, 56), 165, (78, 144, 202), (127, 154), (57, 136, 157, 161, 200), (12, 99, 168), 167, (80, 184, 188), (59, 110, 162, 163), (160, 164, 170), (4, 30, 109), (105, 166, 173, 185, 186).

*Chemistry.*—146, (3, 199), 9, 110, 198, 109,* (21, 50, 193), 55, (16, 194)**, 58, 56, (6, 23), (12, 60, 197), 54, 48, (24, 53), (14, 19), 25, 28, 30, 45, 46, 47, 52, 171).

*Physiology and Hygiene.*—90, 197, (116, 199), 191, (41, 94), 104, (83, 91, 98, 115, 145, 180, 194), (79, 198), (86, 89), 80, (112, 151), (84, 160, 181, 188), (92, 150, 184, 196), 69, (113, 133, 146, 164), (183, 189, 220)*, (171, 192), (77, 95, 182, 186, 202), (70, 148), (99, 122, 154, 178, 185), (88, 96, 147, 155, 163), 82, 131, (68, 81, 111, 136, 200), (100, 167, 177, 217), (62, 124, 165, 166, 218), 85, (66, 144), (93, 106)**, 102, (128, 129, 143, 179, 187), (78, 159, 190), (127, 149, 153), (101, 134, 140), 139, (87, 158), (61, 64, 168, 201), (119, 126), 63, 110, 152, 157, 161, 162, 214), (65, 117, 121, 135, 142, 170, 173, 174, 175, 215, 216), 105, (67, 97, 156, 169, 213), (74, 76, 172, 205), 73, 109.

# APPENDIX.

## COLLEGE GROUNDS.

Under the regulations of the Governors, restricting the use of the exercise grounds to College clubs, and until permanent arrangements can be made in connection with a new gymnasium on the grounds, the following rules are in force :—

1. The membership of all clubs using the grounds must consist exclusively of members of the University.

2. No damage must be done to fences, trees, grass, etc.

3. All clubs desiring to use the ground in the time of the statutory college session, *i.e.*, from September 1st to May 1st, must register their officers, objects, rules and time desired, in the Principal's office, on or before September 20th in each year, when rights and privileges will be assigned to them.

4. Clubs desiring to use any portion of the grounds in the summer vacation, that is, from May 1st to September 15th, shall register as above on or before April 1st.

5. No clubs not so registered can be recognized, nor any right of students not organized in regular clubs.

6. No club has any right to invite strangers, except by special permission of the Board of Governors.

7. The University Athletic Association may use the grounds for the training of its members from September 1st to date of the College sports, at such times as may be necessary. Tickets shall be furnished to students so in training.

8. All the above privileges are subject to be revoked at any time by resolution of the Governors.

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W. A. CARLYLE, B.A.Sc., Lecturer in Mining and Metallurgy—Faculty of Applied Science.

W. H. WALKER, B.A.Sc., Assistant to Professor of Chemistry.

Chas L Gurd

Chas L Gurd

Les Enfants sont toujours heureux -

ANNUAL CALENDAR

OF

# McGILL COLLEGE

AND

# UNIVERSITY

MONTREAL

FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821, AND RE-ORGANISED BY AN
AMENDED CHARTER IN 1852.

## SESSION 1892-93

**Montreal:**
PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.

1892.

The *List of Graduates* and the *Examination Papers* of the Session 1891-92 are published separately, and may be obtained on application to the Secretary, or through booksellers.

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*William C. McDonald Professor of Experimental Physics.* 28 Hutchison Street.

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*William C. McDonald Professor of Electrical Engineering, Lecturer on Thermo-dynamics.* McGill College.

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*Professor of Law of Contracts.* 107 St. James Street.

THOMAS FORTIN, L.L.L., B.C.L.
*Professor of Civil Procedure and Municipal Law.* 1613 Notre Dame Street.

W. De M. MARLER, B.A., B.C.L.
*Professor of Notarial Law.* 157 St James Street.

HON. CHARLES J. DOHERTY, B.C.L.
*Professor of Civil Law.* 180 St. James Street.

HARRY ABBOTT, Q.C., B.C.L.
*Professor of Commercial Law.* 11 Hospital Street.

EUGENE LAFLEUR, B.A., B.C.L.
*Professor of Civil Law.* N. Y. Life Building, Place d'Armes.

ALEXANDER D. BLACKADER, B.A., M.D.
*Professor of Materia Medica and Therapeutics.* 236 Mountain Street.

JOHN T. NICHOLSON, B.Sc. (Edin.)
*Thomas Workman, Professor of Mechanical Engineering.* — McGill College.

PAUL T. LAFLEUR, M.A.
*Lecturer in Logic and English.* — 58 University.

R. F. RUTTAN, B.A., M.D.
*Assistant Professor of Chemistry, and Registrar Medical Faculty.* — McGill College.

JAMES BELL, M.D.
*Associate Professor of Clinical Surgery.* — 53 Union Avenue.

FRANK D. ADAMS, M.A.Sc.,
*Lecturer in Geology and Petrography.* — 41 McGill College Avenue.

WILLIAM R. SUTHERLAND, M.D.
*Curator of Medical Museum.* — 764 Sherbrooke Street.

GEORGE W. MAJOR, B.A., M.D.
*Lecturer on Laryngology.* — 82 Union Avenue.

WM. A. CARLYLE, Ma. E.
*Lecturer in Mining and Metallurgy.* — 45 St. Mark Street.

T. JOHNSON ALLOWAY, M.D.
*Instructor in Gynæcology.* — 934 Dorchester Street.

F. G. FINLEY, M.D.
*Senior Demonstrator of Anatomy.* — 801 Dorchester Street.

H. S. BIRKETT, M.D.
*Junior Demonstrator of Anatomy.* — 123 Stanley Street.

R. TAIT McKENZIE, B.A., M.D.
*Instructor in Gymnastics.* — Gymnasium, University St.

H. A. LAFLEUR, M.D.
*Instructor in Medicine.* — McGill College.

GEO. E. ARMSTRONG, M.D.
*Instructor in Surgery.* — 1127 Dorchester Street.

J. P. STEPHEN,
*Instructor in Elocution.* — McGill College.

JOHN ELDER, M.D.
*Assistant Demonstrator of Anatomy.* — Cote St. Antoine.

ELLSWORTH BOLTON, B.A.Sc.
*Assistant to Superintendent of Meteorological Observatory.* — Observatory, McGill College.

## SESSIONAL LECTURERS IN ARTS.

| | |
|---|---|
| J. L. DAY, B.A. | Sessional Lecturer in Classics. |
| H. M. TORY, B.A. | " " Mathematics. |
| Rev. J. L. MORIN, M.A. | " " French. |
| W. L. MESSENGER, B.A. | " " English. |
| NEVIL N. EVANS, M.A.Sc. | " " Chemistry. |
| W. E. DEEKS, B.A. | Demonstrator in Geology. |
| CARRIE N. DERICK, B.A. | " Botany. |

## DONALDA SPECIAL COURSE.

MISS HELEN S. GAIRDNER, Lady Superintendent. — 47 Victoria Street.

MISS HELEN O. BARNJUM,
*Instructress in Gymnastics.* — 24 Union Avenue.

## LIBRARY.

MR. H. MOTT, *Assistant Librarian,* — Library, McGill College.

# General Statement.

## SESSION OF 1892-93.

The Sixtieth Session of the University, being the Thirty-ninth under the amended Charter, will commence in the autumn of 1892.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with the approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties in McGill College and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of Students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

### I. McGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all Students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A., and LL.D.

The Degree of B.A. from this University admits the holder to the study of learned professions without preliminary examination, in the Provinces of Quebec and Ontario, and in Great Britain and Ireland, etc.

THE DONALDA SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions, degrees and honours similar to those for men.

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, Electrical Engineering, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

THE FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.—The complete course extends over three Sessions of six months each, and leads to the Degree of D. V. S.

THE FACULTY OF LAW.—The complete course of law extends over three Sessions of six months each, and leads to the Degrees of B.C.L. and D.C.L.

### II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec*.— Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from Rev. A. T. Love, B. A., Principal]

ST. FRANCIS COLLEGE, *Richmond, P. Q.* — Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from A. W. BANNISTER, M.A., Principal. ]

THE STANSTEAD WESLEYAN COLLEGE, *Stanstead, P. Q.*— Is affiliated in so far as regards the Intermediate Examination in Arts. [Detailed information may be obtained of REV. F. MCAMMOND, B. A., Principal.]

## III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on, and a number of free Tuitions are granted by the Board of Governors to the Students of these Colleges, when matriculated in Arts.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal.* Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LLD., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

## IV. McGILL NORMAL SCHOOL.

THE MCGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

## V. AFFILIATED HIGH SCHOOLS, ETC.

The Trafalgar Institute for the higher education of women, Simpson St., Montreal, Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St., Principal, Rev. J. Elson Rexford, B.A. The Girls' High School of Montreal, Metcalfe St., Lady Principal, Mrs. H. H. Fuller.

*Schools which have prepared successful condidates for* A.A. *or for matriculation* (*June*, 1891).

High School, Montreal; Girls' High School, Montreal; High School, Quebec; Girls' High School, St. John, N. B.; Aylmer Academy; Coaticook Academy; Cookshire Model School; Cowansville Academy; Danville Model School; Granby Academy; Huntingdon Academy; Inverness Academy; Knowlton Academy; Lachute Academy; Sherbrooke Boys' Academy; Sherbrooke Girls' Academy; Stanstead Wesleyan College; St. John's High School; Sutton Model School; Waterloo Academy; Ridgetown Collegiate Institute; Glencoe High School; Goderich High School; Eliock School, Montreal; Fettes College School, Montreal; Ottawa Collegiate Institute; Woodstock Collegiate Institute; Stratford Collegiate Institute; Dunham Model School; Fredericton Collegiate School; Kemptville High School; Port Hope High School; Owen Sound Collegiate Institute; Albert College, Belleville; Almonte High School; Bishop Ridley College, St. Catherines; Durham High School, Gould and Portage du Fort Model Schools.

# ACADEMICAL YEAR 1892-93.

## SEPTEMBER, 1892.

| | |
|---|---|
| 1 Thursday | Normal School opens. |
| 2 Friday | Matriculation in Law. |
| 3 Saturday | |
| **4 SUNDAY** | |
| 5 Monday | Lectures in Law begin. Meeting Faculty of Law. |
| 6 Tuesday | |
| 7 Wednesday | Meeting of Normal School Committee. |
| 8 Thursday | |
| 9 Friday | |
| 10 Saturday | |
| **11 SUNDAY** | |
| 12 Monday | Meeting of Faculty of Law. |
| 13 Tuesday | |
| 14 Wednesday | Meeting of Faculty of Arts. |
| 15 Thursday | Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. |
| 16 Friday | |
| 17 Saturday | Mat. and Sup. Ex'ns in Math's Exhib. & Scholarship Exam. |
| **18 SUNDAY** | |
| 19 Monday | Mat. & Sup. Ex'ns in English, Logic, Ment. and Mor. Phil. Exhib. and Sch. Exm'ns. |
| 20 Tuesday | Mat. & Sup. Ex'ns in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns. |
| 21 Wednesday | Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. |
| 22 Thursday | Meeting of Fac. of Arts at 11.15 a.m. |
| 23 Friday | Summer Essays in Applied Sc. |
| 24 Saturday | Matric. Exam. in Medicine. |
| **25 SUNDAY** | |
| 26 Monday | Meeting of Governors. Register Medical Faculty opens. |
| 27 Tuesday | Meeting of Fac. of App. Sc. |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | Meeting of Faculty of Arts. |

## OCTOBER, 1892.

| | |
|---|---|
| 1 Saturday | |
| **2 SUNDAY** | |
| 3 Monday | Session of Medical and Veterinary Faculties begins. |
| 4 Tuesday | Meeting of Faculty of Law. |
| 5 Wednesday | Meeting of Normal School Committee. |
| 6 Thursday | Founder's Birthday. |
| 7 Friday | |
| 8 Saturday | The Wm. Molson Hall opened, 1862. |
| **9 SUNDAY** | |
| 10 Monday | |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | Meeting of Faculty of Arts. |
| 15 Saturday | Univ. Athletic Sports. |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | |
| 19 Wednesday | |
| 20 Thursday | |
| 21 Friday | Meeting of Governors. |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | Meeting of Museum Com. |
| 25 Tuesday | Meeting of Library Com. |
| 26 Wednesday | Regular Meeting of Corporation |
| 27 Thursday | Reps. Schol. & Exh. Accounts audited. |
| 28 Friday | Meeting of Faculty of Arts. |
| 29 Saturday | |
| **30 SUNDAY** | |
| 31 Monday | |

## NOVEMBER, 1892.

| | |
|---|---|
| 1 Tuesday | Meeting of Fac. App. Science. |
| 2 Wednesday | Meeting Normal School Com. |
| 3 Thursday | |
| 4 Friday | |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | Meeting of Faculty of Law |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | Meeting of Faculty of Arts. |
| 12 Saturday | |
| **13 SUNDAY** | |
| 14 Monday | |
| 15 Tuesday | |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | Meeting of Governors. |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | |
| 25 Friday | Meeting of Faculty of Arts. |
| 26 Saturday | Medical Matriculation, P.Q. Exams. in Law. |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | |

## DECEMBER, 1892.

| | |
|---|---|
| 1 Thursday | |
| 2 Friday | |
| 3 Saturday | |
| **4 SUNDAY** | |
| 5 Monday | Meeting of Faculty of Law. |
| 6 Tuesday | Meeting of Faculty of App. Sc. |
| 7 Wednesday | Meeting of Nor. Sch. Comm. |
| 8 Thursday | |
| 9 Friday | Meeting of Fac. of Arts. |
| 10 Saturday | Examinations in Law. |
| **11 SUNDAY** | |
| 12 Monday | |
| 13 Tuesday | Lect. in Law, Arts, Ap. Sc. end |
| 14 Wednesday | |
| 15 Thursday | Christmas Ex. in Law, Art and Applied Science begin. |
| 16 Friday | |
| 17 Saturday | |
| **18 SUNDAY** | |
| 19 Monday | |
| 20 Tuesday | |
| 21 Wednesday | |
| 22 Thursday | Christmas Vacation begins. |
| 23 Friday | Meeting of Governors. |
| 24 Saturday | |
| **25 SUNDAY** | Christmas-Day. |
| 26 Monday | |
| 27 Tuesday | |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | |
| 31 Saturday | |

NOTE.—Meetings of the Faculty of Arts are held at 5 P.M. unless otherwise specified.

## JANUARY, 1893.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | |
| 3 Tuesday | |
| 4 Wednesday | Christmas Vacation ends. Meeting of Nor. Sc. Comm. |
| 5 Thursday | Lectures in Arts, Law, Med. & App. Science recommence. Meeting of Fac. of Arts. |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | Meeting Faculty of Law. |
| 10 Tuesday | Meeting of Fac. of App. Sci. |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | Meeting of Museum Com. |
| 24 Tuesday | Meeting of Library Com. |
| 25 Wednesday | Regular Meet'g of Corporation. Examiners appointed. Annual Report to Visitor. |
| 26 Thursday | |
| 27 Friday | Meeting of Governors. |
| 28 Saturday | |
| **29 SUNDAY** | |
| 30 Monday | |
| 31 Tuesday | Theses for M. A. & LL.D. to be sent in |

## FEBRUARY, 1893.

| | |
|---|---|
| 1 Wednesday | Meeting of Nor. Sch. Comm. |
| 2 Thursday | |
| 3 Friday | Meeting of Faculty of Arts. |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | Meeting of Faculty of Law. |
| 7 Tuesday | Meeting of Fac. App. Science. |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | Exams. in Law. |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | No lectures. |
| 16 Thursday | |
| 17 Friday | Meeting of Faculty of Arts. Supplemental Exam's in Arts and Applied Science. |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | |
| 21 Tuesday | |
| 22 Wednesday | |
| 23 Thursday | |
| 24 Friday | Meeting of Governors. |
| 25 Saturday | Exams. in Law. |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |

## MARCH, 1893.

| | |
|---|---|
| 1 Wednesday | Meeting of Nor. Sc. Com. Theses for B.C.L. sent in. |
| 2 Thursday | |
| 3 Friday | Meeting of Fac. of Arts. |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | Meeting of Faculty of Law. |
| 7 Tuesday | Meeting of Fac. of Ap. Science. |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | Examinations in Law. |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | Meeting of Fac. of Arts. Reports of Attendance on Lects. Lectures in Medicine end. |
| 18 Saturday | Exams. in Law. |
| **19 SUNDAY** | |
| 20 Monday | Exam's in Med. begin. |
| 21 Tuesday | |
| 22 Wednesday | |
| 23 Thursday | |
| 24 Friday | Meeting of Governors. Medical Matriculation, P.Q. |
| 25 Saturday | |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | Meeting of Fac. of Ap. Science |
| 29 Wednesday | Lects. in Arts and Ap. Sc. end. |
| 30 Thursday | Conv for Degrees in Veterinary Science. Ex. in Arts begin. |
| 31 Friday | Good Friday. Easter Vac. begins |

## APRIL, 1893.

| | |
|---|---|
| 1 Saturday | |
| **2 SUNDAY** | Easter. |
| 3 Monday | Meeting Fac. of Law. |
| 4 Tuesday | Easter Vacation ends. Conv. for Degrees in Medicine. |
| 5 Wednesday | Meeting of Nor. Sc. Committee |
| 6 Thursday | |
| 7 Friday | Meeting of Fac. of Arts. |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | Meeting of Faculty of Law |
| 11 Tuesday | Summer Session Med Fac. |
| 12 Wednesday | begins. |
| 13 Thursday | Lectures in Law end. |
| 14 Friday | |
| 15 Saturday | |
| **16 SUNDAY** | |
| 17 Monday | Exams. in Law begin. |
| 18 Tuesday | |
| 19 Wednesday | |
| 20 Thursday | Meeting of Examiners, and of Fac. Arts and Law. |
| 21 Friday | Meeting of Governors. |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | Meeting of Museum Committee and Faculty of Law. |
| 25 Tuesday | Meeting of Library Committee Declaration of result of Exam's. |
| 26 Wednesday | Regular meeting of Corporation. |
| 27 Thursday | |
| 28 Friday | Convocation for Degrees in Law and Applied Science. |
| 29 Saturday | Convocation for Degrees in Arts. |
| **30 SUNDAY** | |

## MAY, 1893.

| | |
|---|---|
| 1 Monday | Meeting of Examiners for Sch. |
| 2 Tuesday | Examinations. Examinations in Normal School begin. |
| 3 Wednesday | Meeting Nor. Sch. Committee. |
| 4 Thursday | |
| 5 Friday | |
| 6 Saturday | |
| **7 SUNDAY** | |
| 8 Monday | |
| 9 Tuesday | |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | |
| 13 Saturday | |
| **14 SUNDAY** | |
| 15 Monday | |
| 16 Tuesday | |
| 17 Wednesday | |
| 18 Thursday | |
| 19 Friday | |
| 20 Saturday | |
| **21 SUNDAY** | Whit-Sunday. |
| 22 Monday | |
| 23 Tuesday | |
| 24 Wednesday | Queen's Birthday. |
| 25 Thursday | |
| 26 Friday | Meeting of Governors. |
| 27 Saturday | |
| **28 SUNDAY** | Trinity Sunday. |
| 29 Monday | |
| 30 Tuesday | |
| 31 Wednesday | Normal Sch. closes for Summer Vacation. |

## JUNE, 1893.

| | |
|---|---|
| 1 Thursday | Examinations for Matric. and Associate in Arts begin. |
| 2 Friday | |
| 3 Saturday | |
| **4 SUNDAY** | |
| 5 Monday | Meeting of Faculty of Law. |
| 6 Tuesday | |
| 7 Wednesday | Normal School Committee. |
| 8 Thursday | |
| 9 Friday | |
| 10 Saturday | |
| **11 SUNDAY** | |
| 12 Monday | |
| 13 Tuesday | |
| 14 Wednesday | |
| 15 Thursday | |
| 16 Friday | Declaration of results of School Examinations. |
| 17 Saturday | |
| **18 SUNDAY** | |
| 19 Monday | Meeting of Museum Committee. |
| 20 Tuesday | Meeting of Library Committee. |
| 21 Wednesday | Regular Meeting of Corporat'n. Report of Normal School. |
| 22 Thursday | |
| 23 Friday | Meeting of Governors. |
| 24 Saturday | |
| **25 SUNDAY** | |
| 26 Monday | |
| 27 Tuesday | |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | Summr. Sessn. Med. Fac. ends. |

## JULY, 1893.

| | |
|---|---|
| 1 Saturday | |
| **2 SUNDAY** | |
| 3 Monday | |
| 4 Tuesday | |
| 5 Wednesday | |
| 6 Thursday | |
| 7 Friday | |
| 8 Saturday | |
| **9 SUNDAY** | |
| 10 Monday | |
| 11 Tuesday | |
| 12 Wednesday | |
| 13 Thursday | |
| 14 Friday | |
| 15 Saturday | |
| **16 SUNDAY** | |
| 17 Monday | |
| 18 Tuesday | |
| 19 Wednesday | |
| 20 Thursday | |
| 21 Friday | |
| 22 Saturday | |
| **23 SUNDAY** | |
| 24 Monday | |
| 25 Tuesday | |
| 26 Wednesday | |
| 27 Thursday | |
| 28 Friday | |
| 29 Saturday | |
| **30 SUNDAY** | |
| 31 Monday | |

## AUGUST, 1893.

| | |
|---|---|
| 1 Tuesday | |
| 2 Wednesday | |
| 3 Thursday | |
| 4 Friday | |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | |
| **13 SUNDAY** | |
| 14 Monday | |
| 15 Tuesday | Peter Redpath Museum opened 1882. |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | |
| 19 Saturday | |
| **20 SUNDAY** | |
| 21 Monday | |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | |
| 25 Friday | |
| 26 Saturday | |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | |
| 31 Thursday | |

## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS, SEPTEMBER, 1892.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | HOUR. |
|---|---|---|---|---|---|
| Thursday. | 15 | Greek. | Greek. | Greek. | 9 to 12 |
| " | 15 | Latin. | Latin. | Latin Prose Comp. | 2 to 5 |
| " | 15 | | | Mathematics. | 9 to 12 |
| Friday. | 16 | Mathematics. | Mathematics. | Latin. | 9 to 12 |
| " | 16 | | | Mathematics. | 9 to 12 |
| " | 16 | | | Botany. | 9 to 12 |
| " | 16 | Mathematics. | Mathematics. | Ancient History. | 2 to 5 |
| " | 16 | | | Botany. | 2 to 5 |
| Monday. | 19 | English. | English. | English. | 9 to 12 |
| " | 19 | | | Logic. | 9 to 12 |
| " | 19 | English. | | English. | 2 to 5 |
| " | 19 | | Chemistry. | Chemistry. | 2 to 5 |
| Tuesday. | 20 | | | Mathematics. | 9 to 12 |
| " | 20 | | | Botany. | 9 to 12 |
| " | 20 | | French. | French. | 9 to 12 |
| " | 20 | Grammar and Comp. (Classics.) | General Paper. (Classics.) | English Composition | 2 to 5 |
| Wednesday. | 21 | | Mathematics. | Mathematics. | 9 to 12 |
| | | | English. | | 2 to 5 |

*CHRISTMAS EXAMINATIONS, DECEMBER, 1892.*

| DAY. | DATE | FIRST YEAR. | SECOND YEAR. | THIRD YEAR. | FOURTH YEAR. |
|---|---|---|---|---|---|
| Thursday. | 15 | Latin. | Latin. | Mechanics. | Astronomy. |
| " | 15 | | M'matics, P.M. | | |
| Friday. | 16 | Greek. | Greek. | Greek. | Greek. |
| " | 16 | | | Zoology, P.M. | Latin, P.M. |
| Monday. | 19 | Mathematics. | Psychology. | Latin. | Moral Philosophy |
| " | 19 | French, P.M. | French, P.M. | Ment. Phil., P.M. | Geology, P.M. |
| Tuesday. | 20 | Chemistry. | | | |
| " | 20 | German, P.M. | German, P.M. | | |
| " | 20 | Hebrew, P.M. | Hebrew, P.M. | | |
| Wednesday. | 21 | English. | | | |

## FACULTY OF ARTS.

### SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1893.

| Day. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| March. | A.M. P.M. | A.M. P.M. | A.M. P.M. | A.M. P.M. |
| 30 Thurs. | Hebrew ..... | Hebrew ..... | Hebrew..... | Hebrew |
| April | Easter vacation. | Easter vacation. | Easter vacation. | B.A. Honours. |
| 5 Wed. | Greek. ..... | Greek. ..... ..... | Mechanics..... | Ethics. Ethics. |
| 6 Thurs. | Latin... Anc. History | Latin. Composi ton. | Latin..... | Latin. Latin |
| 7 Fri. | English. ..... | English. English. | Ex. Phy- English. sics. | Ex. Phy- Hist ory sics. |
| 8 Sat. | | | | |
| 10 Mon. | Geometry and Arithmetic. ... | Mathematics..... | Greek..... | Mechanics and |
| 11 Tues. | Trigonometry and Algebra..... | ..... | ..... .. | B.A. Honours. |
| 12 Wed. | French and German. | Mathematics... .... French and German. | Astronomy and .... Optics..... .. Metaphysics..... | Astr'y. and Optics. B.A. Honours. Geology. Geology. |
| 14 Fri. | Chemistry ..... | Logic..... | ..... ... Zoology | Greek. History. |
| 15 Sat. | ..... | ..... | ..... | ..... |
| 17 Mon. | ..... | Botany..... | French & German. | French and German |
| 18 Tues. | ..... | ..... | ..... | B.A. Honours. ..... |
| 19 Wed. | Honour Examinations. | Honour Examinations | Honour Exam'tions | B.A. Honours. |
| 20 Thurs. | Meeting of | Examiners and Facul | ty. | |
| 21 Fri. | Honour Examinations | Honour Examinations | Honour Exam'tions | B.A. Honours. |
| 22 Sat. | Meeting of | Examiners and Facul | ty. | |
| 24 Mon. | Meeting of | Examiners and Facul | ty. | |
| 25 Tues. | Meeting of | Examiners and Facul | ty. Declaration | of results. |
| 26 Wed. | Meeting of | Corporation. | | |
| 27 Thurs. | | | | |
| 28 Fri. | | | | |
| 29 Sat. | Convocation for Degr | ees in Arts. | | |

The Examinations begin at 9 A.M. and 2 P.M. when not specified otherwise.

## FACULTY OF APPLIED SCIENCE.

*EXAMINATIONS*—1892-93.

CHRISTMAS, 1892.

The days of the several Examinations will be announced by the Faculty during the Session.

SESSIONAL, 1893.

| Days. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| W. Mch. 29 | Freehand Drawing. | Descrp've Geometry | Descrp've Geometry | Mineralogy (Adv.). |
| T. " 30 | German. | German. | Theory of Structures.<br>German. | Theory of Structures. |
| F. " 31 | Good Friday. | Good Friday. | Good Friday. | Good Friday. |
| S. April 1 | | | Mineralogy (adv.). | Kinematics of Machinery.<br>Mineralogy (adv.) |
| Sun. " 2 | ..... | ..... | ..... | ..... |
| M. " 3 | Practical Chemistry. | Surveying.<br>Chemistry. | Surveying.<br>Chemistry. | Geodesy. |
| T. " 4 | Mathematics. | | Theory of Structures | Theory of Structures |
| W. " 5 | | Essay. | Essay. | Essay. |
| T. " 6 | | Mechanism. | Mechanism. | Dynamics of Machinery.<br>Th. of Structures. |
| F. " 7 | English. | Exp. Physics. | Exp. Physics. | Assaying. |
| S. " 8 | | Practical Chemistry. | Practical Chemistry. | Theory of Structures |
| Sun. " 9 | ..... | ..... | ..... | ..... |
| M. " 10 | Mathematics. | Mathematics. | Theory of Structures (adv.). | Theory of Structures (adv.). |
| T. " 11 | | | | |
| W. " 12 | French. | French. | Kinematics of Machinery.<br>Geology. | Hydraulics. |
| T. " 13 | | | Mining. | Metallurgy. |
| F. " 14 | Chemistry. | Chemistry (a.m.).<br>Zoology (p.m.). | Chemistry. | |
| S. " 15 | | | Dynamics of Machinery. | Dynamics of Machinery. |
| Sun. " 16 | ..... | ..... | ..... | ..... |
| M. " 17 | | Botany. | | |
| T. " 18 | Mathematics. | Mathematics. | Mathematics. | Thermodynamics. |
| W. " 19 | | | | |
| T. " 20 | | | | |
| F. " 21 | | | | |
| S. " 22 | | | | |
| Sun. " 23 | | | | |
| M. " 24 | | | | |

# Faculty of Arts.

THE PRINCIPAL (Ex-officio).

Professors:—DAWSON.
JOHNSON.
CORNISH.
DAREY.
MURRAY.
HARRINGTON.
MOYSE.

Professors:—I'ENHALLOW.
COUSSIRAT.
COX.

Associate Prof.:—EATON.

Lecturers:—CHANDLER.
LAFLEUR.
ADAMS.

Dean of the Faculty:—ALEXANDER JOHNSON, LL.D.
Honorary Librarian:—REV. GEO. CORNISH, LL.D.

[CONTENTS.—*Matriculation*, &c., § I.; *Exhibitions*, &c., § II.; *Course of Study*, § III.; *Examinations, Degrees*, &c., § IV.; *Exemptions*, &c., § V.; *Medals*, &c., § VI.; *Licensed Boarding Houses*, § VII; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees*, &c., § XI.; *Courses of Lectures*, § XII.]

The next session of this Faculty will begin on September 15th, 1892, and will extend to April 29th, 1893.

## § I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Matriculated or Occasional. Matriculated Students are those who have their names entered in the "Matricula" of the University; they are subdivided into Undergraduates and Partial Students; Non-matriculated are denominated Occasional Students. The conditions of admission for each and for Students of other Universities are given below.

### 1. UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B.A. Candidates for admission to the First Year, as Undergraduates, are

required to pass the First Year Entrance Examination. The successful Candicates are arranged as First Class, Second Class, and Passed. To the most deserving in the First Class the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year, as follows :—

(1) That held in the first week of June, concurrently with the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College ; or, if at a distance, by sending in to the Secretary of the University the names of Deputy Examiners for approval, with a list of candidates, on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 15th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures. Candidates who may have passed the examination are not "Matriculated" until they have paid all the prescribed fees for the session and complied with the other University regulations (see "Directions" below).

### First Year Entrance Examination.

*(a) For Passing only.*

Examinations beginning on June 1st in McGill College and local centres ; on September 15th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I. ; Greek Grammar.

*Latin.*—Caesar, Bell. Gall., Book I. ; and Virgil, Aeneid, Book I., lines 1-300 ; Latin Grammar. [In 1893, and afterwards, the whole of Aeneid, Bk. I., will be required.]

*Mathematics.*—Arithmetic, including a knowledge of the Metric system ; Algebra to Simple Equations (inclusive), but to Quadratic Equations (inclusive) in June, 1892, and afterwards ; Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis.* A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations, an equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics. At the June examination, candidates from Ontario may present an equivalent amount from the books prescribed for the Junior Matriculation Examination of the University of Toronto.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

The Matriculation or Junior leaving Examination accepted by the Universities of Ontario is accepted by the Faculty in so far as the subjects of their programme satisfy the Examiners of the Faculty.

For Candidates from Ontario, Second Class non-professional certificates will be accepted *pro tanto* in the Examination.

For qualifications required of Normal School Students see Normal School regulations.

Candidates who fail in one or more subjects at the June examination, and present themselves again in September, will be exempted from examination in those subjects only in which the Examiners may have reported them as specially qualified.

(*b*) *Higher Examination—For First Class, Second Class and Passing.*

The examination will be held on September 15th and following days in McGill College only. (For Exhibitions, see § II.)

*Greek.*—Homer, Iliad, Bk. IV. ; Xenophon, Anabasis, Bk. I. ; Demosthenes, Philippics, I. and II. ; or Homer, Odyssey, Bk. VII.

*Latin.*—Cicero, in Catilinam, Orat. I. and II. ; Virgil, Aeneid, Bk. I. ; Caesar, Bell. Gall., Bks. I. and II.

A paper on Greek and Latin Grammar.

*Text-Books.*—Hadley's or Goodwin's Greek Grammar ; Arnold's Greek Prose Composition, Exercises 1 to 25 ; Dr. Wm. Smith's Smaller Latin Grammar, and Principia Latina, Part IV. ; or Arnold's Latin Prose Composition, by Bradley.

*Mathematics.*—Euclid, Bks. I., II., III., IV. ; Algebra to end of Harmonical Progression (Colenso) ; Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

*French* (solely as a test of qualification to join the French Class).—Grammar up to the beginning of Syntax ; an easy translation from French into English. Candidates unable to take French will be required to study German after entrance.

SECOND YEAR ENTRANCE EXAMINATION.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see § II.) held in September; or the Candidates may take the First Year Sessional Examinations held in April. There is besides,

*For Passing only.*

An Examination beginning on Sept. 15th, in McGill College only.

*In Classics.*—*Greek.*—Homer, Iliad, Book VI.; Xenophon, Anabasis, Book I. Grammar and Prose Composition.

*Latin.*—Virgil, Aeneid, Book VI.; Cicero, Orations against Catiline; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.]

*In Mathematics:*—

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (Omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations. (Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount, &c., Vulgar and Decimal Fractions, Square Root, Metric System.

*In English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry*,—The Chemistry of the non-metallic Elements and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but they are required to begin German, and to continue the study of it for two years.

## 2. PARTIAL AND OCCASIONAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—Candidates for Matriculation as Partial Students, *i. e.*, taking three or more courses of Lectures, will be examined in the subjects necessary thereto, as may from time to time be determined by the Faculty.

The subjects in which an examination is necessary are :—Latin, Greek, Mathematics, English, French. Candidates are required to appear at the ordinary entrance examinations announced above ; but on application to the Faculty, may, for sufficient cause, have a later day appointed.

OCCASIONAL STUDENTS.—Persons desirous of taking one or two courses of Lectures as Occasional Students may apply to the Dean for entry in his Register, and, after satisfying the professor or the professors of the subjects of the lectures as to their fitness, may procure from the Secretary tickets for the lectures.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the production of Certificates, to a like standing in this University, after examination by the Faculty.

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## 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculties of Medicine or Applied Science in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavor to establish befitting relations.

Every Undergraduate or Partial Student is required to sign in the Matriculation Book the following :—

DECLARATION.

"I hereby declare that I will faithfully observe the statutes, rules and ordi-"nances of this University of McGill College to the best of my ability."

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## 4. DIRECTIONS TO CANDIDATES FOR MATRICULATION OR ADMISSION.

Candidates are required:—

(*a*) To present themselves to the Dean at the beginning of the Session, and fill up a form of application for matriculation or admission (§ I.).

(*b*) To pass or to have passed the required examinations (§ I.).

(*c*) To produce tickets from the Registrar (§ XI.); and, if not Occasional Students, to sign the declaration in the Matriculation Book. Their names are then entered in the "Matricula," *i. e.*, they are "Matriculated."

(*d*) To present their tickets to the Dean. (Fine, etc., for delay stated in § XI.)

(*e*) To provide themselves with the Academic dress (§ VIII.).

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## § II. SCHOLARSHIPS AND EXHIBITIONS.

### General Regulations.

1. A Scholarship is tenable for *two* years; an Exhibition for *one* year.

2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation; and also to Candidates who have obtained what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.

3. Scholarships are divided into two classes :—(1) *Science* Scholarships; (2) *Classical and Modern Language* Scholarships. The subjects of examination for each are as follows :—

*Science Scholarships* :—Differential and Integral Calculus; Analytic Geometry; Plane and Spherical Trigonometry; Higher Algebra and Theory of Equations; Botany; Chemistry; Logic. (For subdivision, see below.)

*Classical and Modern Language Scholarships* :—Greek; Latin; English Composition; English Language; Literature, and History; French or German.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to Candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation; and also to Candidates for entrance into the Second Year.

The subjects of examination are as follows :—

*First Year Exhibitions.*—Classics, Mathematics, English.

*Second Year Exhibitions.*—Classics, Mathematics, English Language and Literature, Chemistry and French or German.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

6. No Student can hold more than one Exhibition or Scholarship at the same time, but some of the First Year Exhibitioners may be granted exemption from the Sessional fees throughout their College Course, under Presentation Scholarships from the Governor General. (See below.)

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every session.

There are at present seventeen Scholarships and Exhibitions :—

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank, Montreal :—value, $100 yearly, open to both men and women.

TEN MCDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal :—value, $125 each yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects: —value, $120 yearly.

THE GEORGE HAGUE EXHIBITION given by George Hague, Esq., Montreal, for the encouragement of the study of Classics :—value, $125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills :—value, $100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature :— value, $100 to $120 yearly.

TWO DONALDA EXHIBITIONS, open to women in the Donalda Department :— value, $100 and $120 yearly.

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## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETION AT THE OPENING OF THE SESSION, SEPT., 1892.

N.B.—*Two of the Exhibitions, value* $100 *each, and one of* $120, *are open to women (two of these to women alone .* [*See Donalda Department.*]

*To Students entering the First Year, four Exhibitions of* $125 *and two of* $100.

The First Year Exhibitions will be awarded to the best answerers in the First Year Higher Entrance Examination (see § I.), provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful Candidates, answering in the following subjects will be taken into account also :—

1. A re-translation into Latin of an English version of some passage from one of the easier Latin Prose writers. (For specimens see Smith's Principia Latina, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English :—An examination upon one of Shakspere's plays. For 1892, *Coriolanus;* for 1893, *Macbeth.*

4. French :—Syntax and translation from English into French, in addition to the Entrance course.

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*To Students entering the Second Year, four Exhibitions of* $125, *one of* $120 (*Donalda*), *and one of* $100.

*Subjects of Examination :—*

*Greek.*—Homer, Odyssey, Bk. VII.; Plato, Laches and Euthyphro; Demosthenes, Olynthiacs, I. and II.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Livy, Bk. XXII.

Greek and Latin Prose Composition.

A Paper on Grammar and History.

*Text-Books.*—Cox's General History of Greece. Mommsen's History of Rome (abridged). Goodwin's Greek Grammar. Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics.*—Euclid (six books); Algebra (Hall & Knight's Advanced); McDowell's Exercises in Modern Geometry; Theory of Equations (in part); Trigonometry (first four chapters Galbraith & Haughton).

*English Literature.*—Mason's Grammar. Shakespeare, *As you Like It.* Trench, *Study of Words.*

*Chemistry.*—Roscoe's Lessons in Elementary Chemistry, as far as page 264.

*French.*—Darey, Principes de Grammaire Française; Lafontaine, les Fables, livres III. and IV.; Molière, l'Avare.

*Or, instead of French :—*

*German.*—German Grammar—Grimm, Kinder and Hausmaerchen. Schiller, Der Gang nach dem Eisenhammer.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfill this condition.

*To Students entering the Third Year, two Scholarships of* $125 *and two of* $120, *tenable for two years.*

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows:—

1. *Mathematics.*—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 [omitting Chap. 8], with part of Chap. 14). Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equations (selected course).
*Logic*, as in Jevons' Elementary Lessons on Logic.

2. *Natural Science.*—*Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the orders of Phanerogams, Pteridophytes and Bryophytes. *Chemistry*, as in Roscoe's Lessons in Elementary Chemistry.
*Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows:—

*Classics.*—*Greek.*—Plato, Apology and Crito; Demosthenes, the Olynthiacs Xenophon, Memorabilia, Book I; Herodotus, Book VII.; Thucydides, Book VI. *Latin.*—Horace, Epistles, Book I.; Livy, Bks. XXI., XXII., Virgil, Georgics, Book I.; Terence, Adelphi; Cicero, Select Letters (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition.

*History.*—*Text-Books.*—Rawlinson's Manual of Ancient History; Smith's Student's Greece; Mommsen's Rome (abridged).

*English Language and Literature.*—Spalding's English Literature (Chap. VI. Part III., to end of book); Shakspere, Tempest; Milton's Paradise Lost, Books I. and II.; Trench, Study of Words.

*English Composition.*—High marks will be given for this subject.

*French.*—Racine, Britannicus; Molière, les Femmes Savantes. French Grammar. Bonnefon, les Ecrivains célèbres de la France. Translation from English into French.

*Or instead of French*:—

*German.*—Schiller, Der Neffe als Onkel. Egmont Leben and Tod (Buchheim). Die Kraniche des Ibycus. German Grammar. Trans. from Eng. into German.

*Classical Subjects for Exhibitions, September*, 1893.

FIRST YEAR.—*Greek.*—Homer, Iliad, Bk. I. or IV.; Xenophon, Anabasis, Bk. I. or IV.; Demosthenes, Philippics, I. and II.

*Latin.*—Virgil, Aen., Bk I.; Cicero, In Catilinam, I. and II.; Caesar, Bell. Gall., I. and II. or III. and IV.

SECOND YEAR.—*Greek.*—Homer, Odyssey, Bk. VII. or Bk. IX.; Demosthenes, Olynthiacs, I. and III.; Plato, Laches and Euthyphro.

*Latin.*—Virgil, Georgics, Bk. I., or Aeneid, Bk. III.; Horace, Odes, Bk. I.; Livy, Bk. XXII., or Cicero, Pro Lege Manilia and Pro Archia.

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## EXEMPTIONS FROM FEES UNDER PRESENTATION SCHOLARSHIP, ETC.

Four exemptions from fees may be granted by the Board of Governors, from time to time to the most successful Students who may present themselves as Candidates. By order of the Board, one of these is given annually to the Dux of the High School of Montreal, and one to the Dux of any other Academy or High School, sending up in one year entrance three or more Candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than $80, the Governors will add the amount of the fees of tuition thereto.

Exemptions from fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek. (For exemptions from fees to Normal School Students, see regulations of Normal School.)

By a resolution of the Board of Govenors, exemptions are granted to students of any affiliated Theological College, recommended by its Principal, and entering the Faculty of Arts as Matriculated Students. The number of such exemptions will be determined from time to time by the Board of Governors.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

## § III. COURSE OF STUDY.

An Undergraduate, in order to attain the Degree of B.A., is required, after passing the First Year Matriculation Examination (see § I), to attend the appointed courses of lectures regularly for four years, and to pass two Examinations in each year, viz., at Christmas and in April. If he fail at any one of these examinations he is not allowed to proceed with his course until he has passed it subsequently. (See § IV.) Undergraduates are arranged, according to their standing, as of the First, Second, Third or Fourth Year.

The special arrangements made for Honour Students and for those attending lectures in other Faculties also are stated in § V.

### ORDINARY COURSE FOR THE DEGREE OF B.A.

### FIRST YEAR.

GREEK.—HOMER—Iliad, Book XXII. Xenophon.—Hellenics, Book I. Studies in History and Literature.

LATIN.—CICERO.—De Amicitia. VIRGIL.—Aeneid, Bks. XI and XII.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

MATHEMATICS.—Arithmetic. Euclid, six books. Algebra, to end of Quadratic equations. Plane Trigonometry, in part.

ENGLISH LANGUAGE AND LITERATURE.

First term.—MILTON'S Comus and BACON'S Essays (selected), two lectures a week. English Composition, one lecture a week.

Second Term.—English Literature, previous to Elizabethan Period.

CHEMISTRY.—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-Room, and Laboratory work if desired; the whole preparatory to the Course in Natural Science.

FRENCH.—DAREY, Principes de Grammaire Française.—LA FONTAINE, Choix de Fables.—MOLIÈRE, L'Avare.—Dictation. Colloquial exercises.

*Or, instead of French, either of the following:—*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

HEBREW.—(For Theological Students only). *Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology. Translation and Grammatical Analysis of Genesis. —*Text-Books:*—HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

## SECOND YEAR.

GREEK.—PLATO.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I. and II. History of Greece.

LATIN.—HORACE.—Epistles, Bk. I., 1, 2 and 6; Livy, Bk. XXII. Translation at sight, and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid. Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

MATHEMATICAL PHYSICS.—Mechanics, one lecture a week.

ENGLISH LITERATURE.—A period of English Literature and one play of Shakspere. During the session of 1892-93—The leading poets of the nineteenth century. SHAKSPERE, A Midsummer Night's Dream. [Clarendon Press Edition.]

PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (*Text-Book*:—MURRAY'S Handbook of Psychology, Bk. I). Second Term.—Logic (*Text-Book*:—JEVONS' Elementary Lessons in Logic).

BOTANY.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books*:—Gray's Structural Botany. Penhallow's Classification. Penhallow's Guide to the Collection of Plants. Gray's Manual.

FRENCH.—RACINE, Esther.—Ponsard, l'Honneur et l'Argent.—CONTANSEAU, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French:—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or, instead of French, either of the following:*

GERMAN.—VANDERSMISSEN'S AND FRASER'S German Grammar. ADLER'S Progressive German Reader (selections from Sections 3-5) Immermann, Der Oberhof. Dictation. Colloquial exercises. Translations, oral and written. Parsing.

HEBREW.—(For Theological Students only.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Methods."—Translation from the Old Testament.—Exercises:—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examination, see § IV.

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## THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.
EURIPIDES.—Medea.

*Or, instead of Greek :—*

LATIN.—JUVENAL.—Satires VIII and XIII.
Pliny.—Select Letters.
Latin Prose Composition, or Cicero, De Natura Deorum.

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First three chapters, omitting sec. 5, chapter I., and sec. 21, chapter II ; *Dynamics*, subjects of the First five chapters. GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the Student, provided two be taken from one division and one from the other.

*I. Literature, &c.*

LATIN OR GREEK —As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—(A) CHAUCER'S Prologue to Canterbury Tales, ed. Morris. (B) BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Bock III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II , Part I.

FRENCH.—(If taken in the first two years).—RACINE, Iphigénie.—Cogery—Third French course. Translation into French.—Johnson, Rasselas. French Composition. Dictation.—CONTANSEAU, Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours.

GERMAN.—(If taken in the first two years).—VANDERSMISSEN'S AND FRASER'S German Grammar. SCHILLER, Siege of Antwerp. LESSING, Minna von Barnhelm. History of German Literature in the 18th and 19th centuries. German composition. Dictation.

HEBREW.—(For Thelogical Students).—*Advanced Course.*—Gesenius' Grammar —Harper's Elements of Syntax. Exercises continued.—Translation.—Reading of the Masoretic notes.

*II. Science.*

†OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy), English edition ; first three chapters. Students are recommended to use with this an " Easy Guide to the Constellations," by Gall

†EXPERIMENTAL PHYSICS.—Electricity, Magnetism, and Sound ; or, Light and Heat ; as in Ganot's Treatise.

ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology, Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-Book.*—Dawson's Hand-book of Zoology.

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—Contra Ctesiphontem.

*Or, instead of Greek :—*

LATIN.—TACITUS.—Annals, Book I.
Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics.* Mechanics and Hydrostatics (as in Third Year), or Astronomy (GALBRAITH AND HAUGHTON) and Optics (GALBRAITH AND HAUGHTON).

MORAL PHILOSOPHY.—First Term :—The Psychological Basis of Ethics. Second Term :—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text-Book :*—Murray's Introduction to Ethics. The Students are required to write occasional essays on Philosophical subjects.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively), the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. *Text-Books :*—MYERS, Mediæval and Modern History, pp. 1-398 ; BRYCE, Holy Roman Empire (omit chaps. 6, 8, 9, 13, and Supplementary chapter).

FRENCH—(If taken in Third Year.)— Bonnefon, Les Ecrivains modernes de la France. Translation into French. Morley's Ideal Commonwealths. Dictation. RACINE, Iphigénie.

GERMAN.—(If taken in Third Year.)—German Grammar and Composition. Dictation. Goethe, Aus meinen Leben ; SCHILLER, Wallenstein. History of German Literature prior to the 18th century.

HEBREW.—(For Theological Students.)—Advanced Course continued.

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat; or Electricity, Magnetism and Sound, as in GANOT's Treatise.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Petrography.* Minerals and rocks, especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.*—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-Book.*—Dawson's Handbook of Canadian Geology.

Passed

For the B.A. Examinations see § IV.

NOTE ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional Course is intended to be more than equivalent, in the amount of work involved for any of the other subjects in the division.

(For details of additional courses provided, see under Section XII.)

Undergraduates are required to study either French or German for two years (viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial or Occasional Students, and have in that capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures; but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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† Students claiming exemptions (see § V.) cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

HONOUR COURSES.

1. Classical Languages and Literature.
2. Mathematics and Physics.
3. Mental and Moral Philosophy.
4. English Language, Literature and History.
5. Geology and other Natural Sciences.
6. Modern Languages with History.
7. Semitic Languages.

Honours are given in the above subjects in the Third Year also, and in Mathematics in the First and Second Years.

Candidates for Honours are allowed exemptions under conditions stated in § V.

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## § IV. EXAMINATIONS.

### COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two examinations in each year :—one at Christmas and the other at the end of the Session. In each of these the Students who pass are arranged according to their answering as 1st Class, 2nd Class, and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examinations.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject, before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examinations of the first two years, or in one subject at the third year Sessional Examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. A list of those to whom the Faculty may grant Supplemental Examinations will be published after the examinations. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

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## UNIVERSITY EXAMINATIONS.

*For Students of McGill College and of Colleges affiliated in Arts.*

### I. FOR THE DEGREE OF B.A.

There are three University Examinations :—The *Matriculation*, at entrance; the *Intermediate*, at the end of the Second Year; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination, the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1893 are as follows :—

*Classics.*—Greek.—Plato, Apology; Xenophon, Memorabilia, Book I., Chaps. I. and II. Latin.—Horace, Epistles, Bk. I., 1, 2 and 6.—Livy, Bk. XXII.

Latin Prose Composition, and translation at sight of Latin into English.

*Mathematics.*—Arithmetic.

Euclid, Books I., II., III., IV., VI., and defs. of Book V.
Algebra, to Quadratic Equations, inclusive.
Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature, or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following:—

1. *Botany and Vegetable Physiology.*—Structural and Systematic Botany, as in Gray's Text-Book, omitting the Descriptions of the Orders.

2. *French.*—Ponsard:—l'Honneur et l'Argent. Racine:—Esther. Contanseau:—Précis de la Littérature Française, from the beginning to the end of XVIIIth century. Translation into French:—Rasselas. Grammatical questions.

3. *German.*—Vandersmissen's German Grammar; Adler's & Fraser's Progressive Reader (selections from secs. 3 to 5); Immermann, Der Oberhof. Dictation. Colloquial exercises. Translations, oral and written.

4. *Hebrew.*—Genesis—chap. III., IV., XXXVII. Exodus—chap. XV. Deuteronomy,—chap. V. Exercises: Hebrew into English, and English into Hebrew. Syntax. Reading of the Masoretic notes and of the Septuagint version.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz., Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics), or Astronomy and Optics; Moral Philosophy; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1893 are as follows:—

1. *Greek.*—Æschines, Contra Ctesiphontem; Æschylus, Prometheus Vinctus. *Greek History.*—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows):—

2. *Latin.*—Tacitus, Annals, Book I.; Juvenal, Satt. VIII. and XIII. *Roman History.*—The twelve Cæsars.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books; or
*Optics and Astronomy, " " "

*Mental and Moral Philosophy.*

Murray's Introduction to Ethics.

*Additional Courses as in § XII.

*Natural Sciences.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Handbook of Canadian Geology.

*Practical Geology and Palæontology; or Practical Chemistry, as in § XII.

*Experimental Physics.*

Electricity, Magnetism and Sound. (See Courses of Lectures, § XII.)

*History.*

Myers:—Mediæval and Modern History; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and Supplementary Chapter).

*Additional Course as in § XII.

*French.*

The Course of French for the Fourth Year.

*The subjects of the Additional Course as in § XII.

*German.*

The Course of German for the Fourth Year.

*Additional Course as in § XII.

*Hebrew* (Theological Students).

Deuteronomy, chap. XXXII; Habakkuk; Psalms, XXI, XXII and XXIII; Job, chaps. XIV, XIX, XXIX.

Gesenius' Grammar; Harper's Elements of Syntax; Reading of the Masoretic notes and of the Septuagint Version.

*Additional Courses (see § XII.).

For details of each subject, see Courses of Lectures, § XII.

At the B.A. Ordinary Examination of the Candidates who obtain the required aggregate of marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Canadidate for the Degree of B.A. is required to make and sign the following declaration:—

"Ego———polliceor sancteque recipio me, pro meis viribus studiosum fore communis hujus Universitatis boni, et operam datur um ut ejus decus et dignitatem promoveam."

II. FOR THE DEGREE OF M.A.

1. A Candidate must be a Bachelor of Arts of at least thre years standing.

*Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules :—

(*a*) The subject of the thesis must be submited to the Faculty before the thesis is presented.

(*b*) A paper read previously to any association or published in any way cannot be accepted as a thesis.

(*c*) The thesis submitted becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

(*d*) The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of* 1892-93 *for sending in Theses for M.A. will be Jan.* 31*st*, 1893.

*Examination.*

3. All Candidates, except those who have taken First Rank B.A. Honours (or Second Rank B.A. Honours in or after 1889), or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each Candidate may select.

(*a*) The subjects of the Examination in *Literature* are divided into two groups, as follows :

Group A.—1. Latin. 2. Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(*b*) The subjects for the Examintion in *Science* are divided into three groups :—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(*c*) Every Candidate in Literature is required to select two subjects out of one group in the literary section, and one out of the

other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(*d*) One of the subjects selected as above will be considered the principal subject (being so denoted by the Candidate at the time of application), and the other two as subordinate subjects.

(*e*) The whole examination may be taken in one year, or distributed over two or three years, provided the examination in any one subject is not divided.

For further details of the Examination, application must be made to the Faculty before the above date. For fees see § XI. (In case of failure the Candidate may present himself in a subsequent year without further payment of fees.)

*Lectures to Bachelors of Arts.*

Lectures are open to Bachelors of Arts who are candidates for M.A., the sessional examinations corresponding to these lectures being reckoned as parts of the M.A. examination. The subjects are Greek, Latin, English, Mental and Moral Philosophy, Chemistry, Botany, Geology and Mineralogy, French, German.

III. FOR THE DEGREE OF LL.D.

This Degree is intended as an incentive to and recognition of special study by Masters of Arts in some branch of Literature or Science. The thesis or short printed treatise referred to below is regarded as the chief test of the candidate's mastery of the subject he has chosen and of his power of handling it. A very wide range of choice is allowed in order to suit individual tastes.

The following are the regulations:—

I. Candidates must be Masters of Arts of at least twelve years standing. Every Candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a Thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of

thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

II. Every Candidate for the Degree of LL.D. in Course is required to submit to the Faculty of Arts, with his Thesis, a list of books, treating of some one branch of Literature or of Science satisfactory to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

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## § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (*a*) he has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (*b*) satisfied the Professor that he is otherwise qualified. (*c*) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

### *I. Candidates for Honours in the Second Year.*

Candidates for Honours in the Second Year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

### *II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours, if Honours be offered in the subjects, or if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary Undergraduates.

### *III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see § III.

### *IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine, or Applied Science, of the University, or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates," see § IV.)

To be allowed these privileges in either year, they must give notice at the commencement of the Session to the Dean of the Faculty of Arts of their intention to claim exemptions as Professional Students, and must produce at the end of the Session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

### *V. Students of the University attending Affiliated Theological Colleges.*

1. Such Students, whether entered as Matriculated or Occasional, are subject to the regulations of the Faculty of Arts in the same manner as other Students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such Students may attend, as to :—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French or German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

* Any Student who, under any of the above rules, desires to take Experimental Physics is required to take Mechanics and Hydrostatics also, in the Third Year.

## § VI. MEDALS, HONOURS, PRIZES, AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners :—

The *Henry Chapman Gold Medal*, for Classical Languages and Literature.

The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.

The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.

The *Shakespere Gold Medal*, for the English Language, Literature and History.

The *Logan Gold Medal*, for Geology and other Natural Sciences.

*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfill the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

The Honour Examinations are each divided into two parts, separated by an interval of a few days, under the following regulations :—

(*a*) No Candidate will be admitted to Part II., unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

(*b*) The names of the successful Candidates in Part I. will be announced before Part II. begins.

(*c*) First or Second Rank Honours will be awarded to those Candidates only who are successful in Part II.

(*d*) Third Rank Honours will be awarded to those who are successful in Part I alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province, as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for first-class Certificates for Grades "A and B."*

3. SPECIAL CERTIFICATES will be given to those Candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination. The Candidates must have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, be in the First Class in not less than half the subjects, and have no Third Class. At this examination, no Candidate who has taken exemptions (see § V.) can be placed in the First Class unless he has obtained First Class in each of the departments in which he has been examined.

4. CERTIFICATES of High General standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(*a*) The Regulations for the former are as follows :—

(1) The subjects for competition shall be French and German, together with the History part of the present Honour Course for the Shakspeare Medal.

(2) The Course of study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter on the Third Year of the Course, who have not obtained first-class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the Course in Modern Languages, if called on to do so by the Professors.

(8) The subjects of Examination shall be those of the Honour Course in Modern Languages.

(*b*) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows :—

(1) The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2) He shall be examined in the following subjects :—

(*a*) *Classics* (both languages) ; (*b*) *Mixed Mathematics* :—*Mechanics*, *Hydrostatics*, *Optics*, *Astronomy* ; (*c*) *Moral Philosophy* ; and any *two* of the following subjects, or any *one* of them with its Additional Course ; (*d*) Natural Science ; (*e*) Experimental Physics ; (*f*) English and History ; (*g*) French ; (*h*) German.

(3) His answering must satisfy special conditions laid down by the Faculty.

(4) The same Candidate cannot obtain the Gold Medal for First Rank General Standing and also a Gold Medal for First Rank Honours.

7. The Neil Stewart Prize of $18 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules :—

(1) The prize will not be given for less than a thorough examination on Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch, and such poetic portions of the Scriptures as may be determined.

(2) In case competitors should fail to attain the above standard, the prize will be withheld, and a prize of $36 will be offered in the following year for the same.

[Course for the present year :—Hebrew Grammar (Gesenius) ; Translation and analysis of Exodus ; Job ; Malachi.]

(3) There will be two Examinations of three hours each—one in Grammar and the other in Translation and Analysis.

The Prize founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the

late Neil Stewart, Esq., of Vankleek Hill, and will be offered for competition next session.

8. EARLY ENGLISH TEXT SOCIETY'S PRIZE.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be :—

(1) The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A.D. 1298—A.D. 1393. The Lay of Havelock the Dane (Early English Text Society, ed. Skeat.).

9. NEW SHAKSPERE SOCIETY'S PRIZE.—This Prize, the annual gift of the New Shakspere Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere :—

Hamlet; Macbeth; Othello; King Lear.

10. "CHARLES G. COSTER MEMORIAL PRIZE."—This Prize, intended as a tribute to the memory of the late Rev. Chas. G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1893, it will be awarded to that Undergraduate of the First, Second or Third Year, from the above Provinces, who, in the opinion of the Faculty, has passed the most satisfactory Sessional Examinations.

11. SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSION FOR THE EXHIBITION OF 1851.—These scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1892 has been placed by the Commission at the disposal of McGill University, and another may be granted for the year 1894.

It is open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

12. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

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## § VII. LICENSED BOARDING HOUSES.

1. All Students under 21 years of age, not residing with parents or guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding-house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

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## § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct:—

1. A Class book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of the lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the Student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the Student, or

refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the Student, and, if necessary, report him to the Dean.

5. Every Student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When Students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from Classes, or report to the Corporation for expulsion.

7. Any Student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any Student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interests of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice Principal.

[NOTE.—All Students are required to appear in Academic dress while in or about the College building. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings appointed in the Calendar.]

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## § IX. LIBRARY.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions:—1st, Those which may be lent; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2 Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of $5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of $4 entitles a Student to borrow two extra volumes.

4. A Student incurring fines beyond the sum total of $1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person shall be replaced or paid for at such rates as the Library Committee may direct; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs. And further, any person found guilty of willfully damaging any book, either by defacement or mutilation, or in any other way, shall be excluded from the Library, and shall be debarred from the use thereof for such time as the Library Committee may determine.

6. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as Students; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Honorary Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by special regulation of Corporation entitled to the use of Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as Students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian or his assistant.

10. Persons not connected with the College may consult books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library except during these hours.

12. No person, other than the Librarian and the assistant, is allowed to enter the alcoves, or take down books from the shelves, except members of Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assistant before leaving the Library.

15. No conversation is permitted in the Library.

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## § X. PETER REDPATH MUSEUM.

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lectures.

4. Any Students wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

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## § XI. FEES.

All fees and fines are payable to the Bursar of the College.

### I. *Undergraduates.*

(Undergraduates matriculated before April, 1891, are subject to the old scale of fees only.)

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|---|---|
| *Matriculation* (First Year) | $ 5 00 |
| " Second and subsequent years | 7 50 |
| (Exigible also from those who have failed in the First Year and re enter in the Second Year on examination.) | |
| *Tuition Fee* (per session) | 30 00 |
| *Special Fee*, including Library, Museum, Gymnasium, Ordinary Examinations and Annual Registration | 15 00 |
| [Total per session $50.00 in First Year and $45.00 in subsequent years.] | |

### II. *Partial Students.*

Partial Students taking classes in the First Year only are subject to the same fees as Undergraduates. Otherwise the fees are as follows:—

| | |
|---|---|
| *Matriculation Fee* (first year of attendance) | $ 5 00 |
| *Tuition Fee* (not exceeding 4 classes) | 30 00 |
| " each additional class in excess of four | 10 00 |
| *Special Fee*, including Library, Gymnasium, Museum, Ordinary Examination and Registration | $ 15 00 |

III. *Occasional Students.*

| | |
|---|---|
| *Tuition Fee*, for each class | 10 00 |
| *Special Fees* (optional), Library, Gymnasium, Museum, each | 5 00 |
| *Examination in any subject* (each) | 2 00 |

IV. *Miscellaneous.*

| | |
|---|---|
| *Laboratory and Practical Classes*, viz., *Chemistry*, *Botany*, *Physics*, each per session (special) | 10 00 |
| *Elocution* (special) | 2 00 |
| *Petrography* (special) | 5 00 |
| *Supplemental Examination*, at date fixed by Faculty | 2 00 |
| *Supplemental Examination*, when granted at any other time than that fixed by the Faculty | 5 00 |
| *Fee for a certificate of standing* if granted to a Student on application | 1 00 |
| *Fee for a certificate of standing* if accompanied by a statement of classification in the several subjects of examination | 2 00 |
| *Examination Fee* for Students of Affiliated Theological Colleges, who present themselves for the entrance examination without intending to become Undergraduates | 10 00 |
| *Matriculation Certificate*, for Students intending to enter the Medical Faculty | 2 50 |

N.B.—The lectures in one subject in any of the four college years constitute a "Course."

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures, except those noted as requiring a special fee.

The fees must be paid the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of $2.

[All fines are applied to the purchase of books for the Library.]

| | |
|---|---|
| *Fee for the degree of B.A* | $10 00 |
| " " " *M.A* | 10 00* |
| " " " *LL.D* | 50 00* |

If the degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is $25.00.

The B.A. fee must be paid before the Examination.

The M.A. or LL.D. fee must be sent with the Thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the Thesis to the Dean of the Faculty.

*A Bachelor of Arts or a Master of Arts intending to proceed to a higher Degree is required, *in addition* to the above, to keep his name on the books of

the University, by the annual payment of a fee of $2 to the Registrar of the University. He may, if he prefer it, compound for the above annual fees, by the payment of $6 in one sum for the Master's Degree, or $30 for the Doctor's Degree, on or before the date of application for the Degree.

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*Extract from the Regulations of the Board of Governors for Election of Fellows under Chap. V. of the Statutes of the University.*

"From and after the graduation of 1888, all new Graduates shall "pay a Registration Fee of $2.50 at the time of their graduation, "in addition to the Gradution Fee ; and shall be entered in the "University list as privileged to vote, and shall have voting-"papers mailed to them by the Secretary."

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## § XII. COURSES OF LECTURES.

## *I. ORDINARY COURSE.*

### 1. CLASSICAL LITERATURE AND HISTORY.

(Major H. Mills Professorship of Classics.)

Professor :—Rev. G. Cornish, M.A., LL.D.

Associate Professor :—A. J. Eaton, M.A., Ph.D.

Sessional Lecturer :—John L. Day, B.A.

GREEK.

*First Year.*—Homer.—Iliad, Book XXII. Xenophon.—Hellenics, Book I.

*Second Year.*—Plato.—Apology. Xenophon.—Memorabilia, Bk. I., Chaps. I-II. Smith's Student's Greece (to the Peloponnesian War).

*Third Year.*—Lysias.—Contra Eratosthenem. Euripides.—Medea.

*Fourth Year.*—Æschines.—Contra Ctesiphontem.

LATIN.

*First Year.*—Cicero.—De Amicitia. Virgil.—Aeneid, Bks. XI, XII. Latin Prose Composition with exercises based upon Nepos (Miltiades) and Caesar (Bk. II., Chaps. 14-28).—Bender's Roman Literature.—Mommsen's History of Rome (abridged), Chaps. I-XI.

*Second Year.*—Livy, Bk. XXII.—Horace, Epistles, Bk. I., 1, 2, and 6.—Translation at sight of passages from Cicero and Livy, and Latin Prose Composition based upon selections from the same authors.

*Third Year.*—Juvenal.—Satires VIII. and XIII. Pliny, Select Letters. Latin Prose Composition, or, Cicero, De Natura Deorum.

*Fourth Year.*—Tacitus.—Annals, Book I. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages, and to Prosody and Accentuation.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co.).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of students.

Number of lectures in Fourth Year—two weekly, or, at the discretion of the Professor, three.

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## 2. ENGLISH LANGUAGE AND LITERATURE.

(Molson Professorship.)

Professor:—Chas. E. Moyse, B.A.

Lecturer:—P. T. Lafleur, M.A.

Sessional Lecturer:—W. J. Messenger, B.A.

*First Year.*—English Language and Literature. Three lectures a week. Until Christmas the work of the Class will partly consist of exercises in English Composition. Two lectures a week will be given to the study of English Classics. Milton's Comus and a portion of Bacon's Essays have been selected for the Session of 1892-93. After Christmas there will be a course of about thirty lectures on English Literature previous to the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English Writers (Cassell, 1887).*

*Second Year.*—A period of English Literature and one play of Shakespeare. One Lecture a week before Christmas; two lectures a week after Christmas. During the session of 1892-93, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakespeare—A Midsummer Night's Dream. (Clarendon Press Edition.)

*Third Year:—A.* Chaucer's Prologue to Canterbury Tales. Lecture once a week; *Text-Book:*—Chaucer's Prologue, etc., ed. Morris. *B.* Rhetoric. Lecture once a week; *Text-Book:*—Bain's Rhetoric.

*Fourth Year.*—History. The lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the Discovery of the New World. The use of Professor Nichol's Tables of European History is recommended.

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## 3. MENTAL AND MORAL PHILOSOPHY.

(John Frothingham Professorship of Mental and Moral Philosophy.)

Professor:—Rev. J. Clark Murray, LL.D.

Lecturer:—Paul T. Lafleur, M.A.

*Second Year.*—First term:—Elementary Psychology. (*Text-Book:*—Murray's Handbook of Psychology, Book I.) Second Term:—Logic. (*Text-Book:*—Jevons' Elementary lessons in Logic.)*

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* The prizes are awarded on the work of the whole Session.

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term:—The Psychological Basis of Ethics. Second Term:—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text-Book*:—Murray's Introduction to Ethics.

In the Third and Fourth Years, Students are also required to write occasional essays on Philosophical subjects.

For Additional Courses see Honour Course.

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## 4. FRENCH LANGUAGE AND LITERATURE.

Professor:—P. J. Darey, M.A., B.C.L., LL.D., Officier d'Académie.

Sessional Lecturer:—Rev. J. L. Morin, M.A.

*First Year.*—Darey—Principes de Grammaire Française. La Fontaine—Choix de fables. Molière—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine—Esther. Ponsard—l'Honneur et l'Argent. Contanseau—Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French:—Dr. Johnson—Rasselas. Dictation. Parsing. Colloquial exercises.

*Third Year.*—Racine—Iphigénie. Cogery—Third French course. Translation into French:—Johnson—Rasselas. Dictation. Contanseau—Précis de Littérature Française, dupuis le XVIIIe siècle jusqu'à nos jours.

*Fourth Year.*—Cogery—Third French course. Bonnefon—Les Ecrivains modernes de la France. Translation into French:—Morley—Ideal Commonwealths. French Composition. Dictation. Racine—Iphigénie.

For Additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

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## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer:—

*First Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (Selections from Sections 3-5). Immermann; Der Oberhof. Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's German Grammar. Lessing, Minna von Barnhelm; Schiller, Seige of Antwerp. History of German Literature in the 18th and 19th centuries. German Composition. Dictation.

*Fourth Year.*—German Grammar and Composition. Goethe:—Aus meinen Leben; Schiller, Wallenstein. History of German Literature prior to the 18th century.

For additional Courses see Honour Lectures.

## 6. HEBREW AND ORIENTAL LITERATURE.

Professor :—Rev. D. Coussirat, B.A , B.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—*Text-Books* :—Harper's Elements of Hebrew : and Introductory Hebrew Method and Manual

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—Translation from the Hebrew Bible.—Exercises.—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation from the Hebrew Bible.—Reading of the Masoretic notes and of the Septuagint Version.

The course comprises Lectures on the above Language and its Literature in particular, its genius and peculiarities with a general notice of the other Oriental Languages. Comparative Philology, affinity of Roots, etc , also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, etc.

For Additional Courses see Honour Lectures.

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## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(Peter Redpath Professorship of Natural Philosophy.)

Professor :—Alexander Johnson, M.A., LL.D.

In the ordinary work of the First Year, assistance will be given by G. H. Chandler, M.A., Professor of Practical Mathematics in the Faculty of Applied Science, and by M. H. Tory, B.A., Sessional Lecturers.

*First Year.*—Mathematics.—Arithmetic.—Euclid, Books 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6) ; Todhunter's Edition—or Hall and Stevens'; the latter is recommended to Candidates for Honours especially. Colenso's Algebra (Part I) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—Mathematics.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

Physics.—*Elementary Mechanics.*—One lecture a week up to March. An examination will be held then, which must be passed in order to secure credit for attendance on the lectures.

The course for the Intermediate University Examination consists of the Mathematics for the first two years.

*Third Year.*—Mathematical Physics.—Galbraith and Haughton's Mechanics, viz. : *Statics*, first 3 chapters, omitting sec. 5, chapter I., and sec. 21, chapter II ; *Dynamics*, subjects of the first 5 chapters. Galbraith and Haughton's Hydrostatics. The lectures on this subject begun in the previous year will end about Christmas.

(*Optional but open to those only who have studied the above Mathematical Physics*). —Optics (Galbraith and Haughton). Astronomy (Lockyer's Elementary Astronomy, English edition; first three chapters, viz.: The Stars and Nebulæ; The Sun; The Solar System). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—Astronomy.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subject will be given before Christmas.

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## 8. EXPERIMENTAL PHYSICS.

(W. C McDonald Professorship.)

Professor:—John Cox, M.A.

*Third Year.*—Laws of Energy—Heat and Light.

*Fourth Year.*—Sound, Electricity and Magnetism.

In each year two hours a week will be devoted to fully illustrated experimental Lectures on the subjects named. Courses of practical work in the Physical Laboratory are arranged so that experiments, chiefly quantitative, bearing on the subjects treated in the Lectures, may be performed by the Students themselves. Opportunity is given to learn the nature and use of the principal instruments employed in the exact and practical measurement of physical quantities.

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## 9. GEOLOGY, MINERALOGY AND PETROGRAPHY.

(Logan Professorship of Geology.)

Professor:—Sir J. Wm. Dawson, C.M.G., LL.D., F.R.S., F.G.S.

B. J. Harrington, B.A., Ph.D., F.G.S., Professor of Mineralogy.

Frank D. Adams, M. Ap. Sc., Lecturer on Petrography and Physical Geology.

*Fourth Year* (1)—Mineralogy and Petrography.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

(2) Physical Geology and Stratigraphy.—Denudation and Origin of Aqueous Deposits; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Origin of Mountains; Field Geology and Construction of Geological Maps and Sections.

(3) Chronological Geology and Palæontology.—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

Text-Books.—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the Library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

The Geology course is especially fitted to those Students who have taken the Natural Science studies of the previous years, but others are not excluded.

## 10. ZOOLOGY AND PALÆONTOLOGY.

Professor:—Sir J. William Dawson, LL.D., F.R.S.

Demonstrator:—W. E. Deeks, B.A.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals with recent and fossil examples, taken as far as possible from Canadian species,—the whole with reference to the study of Canadian Animals recent and fossil. Demonstrations in the Museum. *Text-Book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of $20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize collections or duplicates of them to remain in the Museum if required. Candidates must be students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals, or the fossils of one geological system or one definite locality.

## 11. BOTANY.

Professor:—D. P. Penhallow, B.Sc.

Demonstrator:—Carrie N. Derick, B.A.

*Second Year.*—This course is designed to give the Students a thorough acquaintance with the principles of Morphology and Classification, the elements of Histology and the most prominent Physiological functions of the plant. The Flora of Canada will be given prominence as far as possible, and in descriptive work constant use will be made of the large Herbarium and of the Botanic Garden. So far as time will permit, weekly excursions will be made for field study of plants.

Text-Books.—Gray's Structural Botany. Gray's Manual. Penhallow's Classification. Penhallow's Guide to the Collection of Plants.

For the coming year a prize of $20.00 will be offered by Mr. Wm. Drysdale for the best collection of Canadian plants.

The specimens must be prepared in accordance with Penhallow's Guide to the Collection of Plants, Specimens collected by persons other than the actual competitors will not be admitted except when obtained by exchange. Competition is open to those students only who have taken the regular course of Botany in the previous session.

All collections will be returned after the awards are made.

*Third Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. Microscopical manipulations, micro-chemical reactions, general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. No Student will be admitted to the Course in the Fourth Year without having followed that for the Third Year.

Text-Books.—Goebel's Outlines of Classification and Special Morphology.

*Fee for Additional Course*, $10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

## 12. CHEMISTRY.

(David J. Greenshields Professorship of Chemistry and Mineralogy.)

Professor :—B. J. Harrington, B.A., Ph.D.

Sessional Lecturer :—Nevil N. Evans, B.A.Sc.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the Laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements, and many of their compounds, etc. A few Lectures are usually devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, etc. During the course attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

Text-Book.—Remsen's Introduction to the study of Chemistry.

*Third Year.*—Additional Department (*The Chemistry of the Metals, or Organic Chemistry*).—One Lecture a week. (*Pratical Chemistry*).—Qualitative Analysis, as in Fresenius' Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—Additional Department.—A course of Practical Chemistry, in continuation of that of the Third Year.

Note.—The chemical laboratories are capable of accommodating about forty students, and afford excellent facilities for practical work. Students in Arts taking classes in Practical Chemistry pay a special fee of ten dollars for the session.

## 13. METEOROLOGY.

Superintendent of Observatory :—C. H. McLeod, Ma.E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

### 14. PEDAGOGY.

Lectures on this subject will be given in the Normal School to undergraduates of the Third and Fourth Years who wish to obtain the Provincial Academy Diploma.

Lecture hours : 3 p. m., Tuesday and Friday.

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### 15. ELOCUTION.

Instructor:—J. P. Stephen.

Instruction is given in this subject at hours that will be settled at the beginning of the session. Special fee for session, $2.

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### 16. GYMNASTICS.

Instructor :—R. T. Mackenzie, B.A.

The classes will meet at the University Gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to Students of the Graduating Class and to Students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter. (See Regulations appended.)

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## *II. HONOUR COURSES.*

### 1. CLASSICS.

*Third Year*, for Session 1892-93 :—Greek :—Thucydides, Bk. VI.; Herodotus, Bk. VII.; Euripides, Medea : Æschylus, Prometheus Vinctus.

Greek Prose Composition.—Grote's History of Greece (Selections); Mahaffy's History of Greek Literature (Selections); General Paper on Grammar, History and Literature.

Latin :—Horace, Epistles, Book I.; Livy, Bks. XXI.—XXII.; Terence, Adelphi; Juvenal, Satires, III. and X.; Cicero, De Imperio Cn. Pompeii, De Officiis; Tacitus, Germania and Agricola.

Latin Prose Composition.—Mommsen's History of Rome (Selected portions).—Cruttwell's History of Roman Literature (Selected portions).—General Paper on Grammar, History and Antiquities.

*Fourth Year.—Part I.* (1) *Greek Authors* :—Æschylus, Prometheus Vinctus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Æschines, Contra Ctesiphontem. (2) Latin *Authors* :—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires V. and VI.; Livy, Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero

De Officiis. (3) *Greek and Latin Prose Composition*:—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1) *Greek*:—Plato, Republic, Books I. and II.; Aristotle, The Poetic; Herodotus, Book VIII.; Thucydides, Books VI. and VII.; Hesiod, Works and Days; Æschylus, Seven against Thebes; Aristophanes, The Frogs; Pindar, Olympic Odes; Theocritus, Idylls I. to VI.; Demosthenes, De Corona. (2) *Latin*:—Livy, Books XXII. and XXIII.; Tacitus, Annals, Book I.; Tacitus, Histories, Book I.; Virgil, Æneid, Books I. to IV.; Plautus, Aulularia; Terence, Adelphi; Juvenal, Sat. X.; Cicero, De Imperio Cn. Pompeii. (3) *History of Greece and Rome*:—*Text Books*.—1. Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Haigh's Attic Theatre. (4) *Composition*:—Composition in Greek and Latin Prose. (5) General Paper on Grammar, History and Antiquities.

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## 2. MENTAL AND MORAL PHILOSOPHY.

### THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; James' Principles of Psychology, Chapters 17-22 inclusive; Thomson's Outlines of the Laws of Thought. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Plato's Theaetetus (by S. W. Dyde); Fraser's Selections from Berkeley.

### FOURTH YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 22-45 inclusive; Lorimer's Institutes of Law; Descartes' Method and Meditation; Green's Prolegomena to Ethics; Mill's System of Logic, Book VI. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N. B.—The class essays of Candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

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## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

### THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive; Spencer—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above-

mentioned portion of the Honour work constitutes the Additional Course of the Third Year.) Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absolom and Achitophel, Part I.; the Preface to the "Fables;" Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

*Part II.*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, Vol. II., chap. X., sections V-X. inclusive; Macaulay, Vol. I., chap. I.; Green, History of the English People—(Reigns of Eliz. and Chas. II.).

FOURTH YEAR.

*Part I.*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chaps. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year.) Early English; Morris and Skeat, Part II. Extt., X-XX. inclusive; Shakespere—Love's Labour Lost—A Midsummer Night's Dream—Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part II.*—Portion of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed. Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, chaps. L., LI., LXIV., LXV.; Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

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## 4. MATHEMATICS AND PHYSICS.

*First and Second Years.*—MATHEMATICS.—Hall and Stevens' Euclid; McDowell's Exercises in Modern Geometry; Hall and Knight's Advanced Algebra; Todhunter's or Burnside and Panton's Theory of Equations (selected course); Lock's Higher Trigonometry, with McClelland and Preston's Spherical Trigonometry, Part I.; Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13 inclusive; Williamson's Differential and Integral Calculus (selected course).

*Third Year.*—MATHEMATICAL PHYSICS.—Part I.—Minchin's Statics, Vol. I, selected chapters. Williamson and Tarleton's Dynamics, Chaps. I to 8 inclusive. Part II.—Remainder of Minchin's Statics, Vol. I., Besant's Hydro-mechanics, Part I., chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

B. A. HONOUR COURSE.

*Part I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole). PURE MATHEMATICS.—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*—PURE MATHEMATICS.—Boole's Differential Equations (selected course). MECHANICS.—Minchin's Statics, Vol. II., except chapters 14 and 18. Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a particle). Routh's Dynamics of a Rigid Body (for reference). Besant's Hydro-mechanics.

PHYSICAL ASTRONOMY.—Godfrey's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9 and 11.

LIGHT.—Preston's Theory of Light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity.

HEAT, ACOUSTICS } As in ordinary course.

Engineering Students may be Candidates for Honours.

The above course in each year, and the lecture hours assigned to it in the time table, are subject to alterations or omissions, which will be made definitely known to Candidates for Honours at the beginning of the session.

## 5. GEOLOGY AND NATURAL HISTORY.

THIRD YEAR.

*Part I.—Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of rocks. (One lecture weekly during the First Term, and two during the Second.)

*Part II.—Blowpipe Analysis and Determinative Mineralogy.*—(One afternoon weekly in the Laboratory during the session. *Text-Book.*—Brush's Determinative Mineralogy and Blowpipe.)

Instructions will be given to the class for study and collection in the vacation.

B. A. HONOUR COURSE.

*Part I.*—(1) *Mineralogy.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of Mineralogical Formulae, Quantivalent Ratios, etc. (Two lectures weekly in the First Term.)

(2) *Palæontology.*—Being an extension of that in the third year, with special studies of the more important group of Fossils. (One lecture and one demonstration weekly in the First Term.)

*Part II.*—(3) *Petrography.*—Essential and accessory constituents of Rock. Microscopic and macroscopic characters. Preparations of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture weekly in the Second Term, with additional practical work 4 hours weekly.)

(4) *Canadian Geology.*—Special studies of the Geology of the Dominion of Canada. (One lecture weekly in the Second Term.)

(5) *Practical and Applied Geology.*—Including methods of observing and recording geological facts, and searching for mineral deposits—Geology as applied to the Arts. (One lecture weekly in the Second Term.)

TEXT-BOOKS.—Dana, Geikie, Dawson, Nicholson, Survey Report, etc.

Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honours.

ADDITIONAL DEPARTMENT.

*Third Year.*—Mineralogy as in Part I. above.

*Fourth Year.*—Palæontology and Practical Geology as in Parts I. and II. above. Or the student make take the Lectures in Mineralogy instead of Palæontology, or those in Petrography or Canadian Geology instead of Practical Geology.

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## 6. MODERN LANGUAGES.

(French and German, both of which must be taken.)

THIRD YEAR.

*Part I.*—FRENCH.—La Fontaine :—Les Fables. Racine :—Les Plaideurs. Paul. Albert :—Littérature de XVIIe siècle. Translation into French.—Goldsmith :—The Vicar of Wakefield. Corneille :—Horace.

GERMAN.—Schiller, Wilhelm Tell. German Prose composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Courses in French and German must also be taken. See § III.

*Part II.*—FRENCH.—Racine :—Phèdre, Les Plaideurs. Boileau :—L'Art Poétique. Pascal :—Les Pensées. Brunot.—Grammaire Historique.

GERMAN.—Wieland :—Oberon. History of German Literature in the 16th, 17th and 18th centuries; Gostwick and Harrison.

FOURTH YEAR.

*Part I.*—French.—Brunot :—Grammaire Historique. Paul Albert :—La Littérature Française dès les origines à la fin du XVIe siècle. Emile Souvestre :—Un Philosophe sous les toits. Translation into French :—As You like it.

GERMAN.—Lessing, Nathander Weise; Wieland : Die Abderiten. German Prose Composition, Buchheim.

(Either of the above may be taken as the Additional Course in the language to which it belongs.)

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH. Molière :—Le Misanthrope. Victor Hugo :—Hermani. La Rochefoucauld :—Les Maximes. Montaigne :—Les Essais (Extraits par Eug. Voizard). Brunot :—Grammaire Historique. Constans :—Chrestomathie, des anciens textes Français.

GERMAN.—A special study of Goethe's "Faust" (Part I.). Selections from Heine's Lyrical Poems. Paul :—Middle High German Grammar. Zarnke : —Das Niebelungen Lied. History of German Literature in the 13th, 14th and 15th centuries.

For First and Second Rank Honours the successful Candidates must be capable of speaking and writing both languages.

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## 7. SEMITIC LANGUAGES.

### THIRD YEAR.

*Part I.—Hebrew.*—Genesis. Isaiah, 40-66. Ecclesiastes. *Literature.*—F. Lenormant : The beginning of History.

*Part II.—Aramaic.*—Daniel, Ezra. *Literatare.*—Sayce : Lectures on the Origin and Growth of Religion.

### FOURTH YEAR.

*Part I.—Hebrew.*—Malachi. Psalms, 1-72. Job, 27-42. *Aramaic.*—Selections from the Targums of Onkelos and Jonathan Ben Uzziel. *Literature.*— Renan : A general History of the Semitic Languages ; or, Noldeke : Semitic Languages.

*Part II.—Syriac.*—Peshito : St John's Gospel, 1-15. Bar Hebrœus : Selections from his Chronicles. *Literature.*—W. Wright: Comparative Grammar of the Semitic Languages.

UNIVERSITY LIBRARY

# LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

## SESSION OF 1892–93.

| | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | 9 | Latin. | † Mathematics. (*b*) | Mathematics. | † Mathematics. (*b*) | Mathematics. |
| | 10 | Mathematics. | Greek. | Latin. | Latin. | Greek. |
| | 11 | English. | * French. | * French. | * French. | English. |
| | 12 | Elementary Chemistry. | * German. * Hebrew. | English. | * German. * Hebrew. | Elementary Chemistry. |
| SECOND YEAR. | 9 | * French. | Logic. | * French. | * Hebrew. | * French. |
| | 10 | Greek. | * Hebrew. | Logic. | Logic. | * German. † Mathematics. |
| | 11 | Mathematics. | Latin. | † Mathematics. Botany. | Latin. | Greek. |
| | 12 | † Mathematics. Botany. | * German (*c*). Math. Phy. | English (*b*). Latin (*a*.) | * German (*c*.) | English. |
| THIRD YEAR. | 9 | English Literature. | Greek. Geol. † (*b*) | † Greek. † Math. Phy. | Greek. | † Greek. † English. † Geol. |
| | 10 | Geology. (*b*) German. † Math. Physics. | French. † Ment. Phil. | † Anglo-Saxon. Physics (Mathematical). | French. Chemistry. Hebrew. | German. † Math. Phys. Rhetoric. |
| | 11 | † Mental Philosophy. Mental Philosophy. | † Latin. Zoology. | Mental Philosophy. | Zoology. | * Syriac, etc. Math. Physics. |
| | 12 | † Latin | Experimental Physics. | Latin. | Experimental Physics. | Latin. |
| | 1 | | Hebrew. | | Hebrew. | |
| FOURTH YEAR. | 9 | Exp. Physics. † English. | Astronomy. (*a*) | † Greek. Geology. † Math. Phy. | Exp. Physics. | † Greek. † Math. Physics |
| | 10 | Geology. | French. † Ment. Phil. | English Literature. | † Mental Philosophy. | Geology. |
| | 11 | Latin. † Geology. | Moral Phil. † Math. Phys. | Greek. | German. History. Moral Philosophy. | French. † Geology. Anglo-Saxon and Early English. |
| | 12 | Moral Phil. | † Chaldee. | † Geology. Hebrew. | † Chaldee. | German. |
| | 1 | | | | Astronomy. (*a*) Hebrew. | |

(*a*) During First Term. (*b*) Second Term. (*c*) For beginners entering 2nd Year. † For Candidates for Honours.
* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew.
Classes at 1 p.m. may be changed to other hours.
Library open every day, 9 to 4. The Museum will be opened as arranged by the Principal.
Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m., for 3d and 4th Years; First Year with the Class in Applied Science.

# Special Course for Women.

## IN THE FACULTY OF ARTS.

### DONALDA ENDOWMENT.

Professors and Lecturers (as on page 1). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding-Houses, Attendance, Conduct, Library and Museum are same as for men. Undergraduates wear the Academic Dress; others do not.

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination in these subjects.)

The *Jane Redpath Exhibition* is open for competition, at the beginning of the First or Second Year, to both men and women.

Two other Exhibitions (one of the value of $100, along with free tuition, the other $120 without free tuition) are open for competition in the First or Second Year to Students of the Donalda Department only. For course see § II. *ante*. Candidates for these Exhibitions are allowed, according to the general rule of the Donalda Department, to substitute a Modern language for Greek in the examination. In this case while the regulation concerning one modern language will for Entrance only be as in § II *ante*, the course in that which is to be substituted for Greek in the Exhibition Examination will be :—

For First Year :—

*French* :—Grammar—Darey's French Grammar. La Fontaine's Fables. Molière—Le Bourgeois Gentilhomme. Sardou—Mlle de la Seiglière. Translation from English into French.

or *German*:—Grammar—Vandersmissen and Fraser's German Grammar. Adler's Reader:—First and Scond Parts. Schiller—Der Gangnach den Eisenhammer. Schiller—Das lied von der Gloche. Translation from English into German.

For Second Year:—

*French*:—Racine, Iphigenie. Dr. C. Saucerote—l'Esprit de Montaigne. Lamartine, Jeanne d'Arc.

or *German*:—

Schiller, Der Neffe als Onkel.
Egmont, Leben und Tod.
Die Kraniche des Ibycus (Buchheim).
Grammar. Translation of French and English into German.

One free tuition may be awarded to a Candidate who approaches very near to the winner of either of the Exhibitions.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

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## I. MATRICULATION AND ADMISSION.

*Classics.*—I. *Latin.*—Caesar, Bell. Gall., Book I.; and Virgil, Aeneid, Book I, lines 1-300; Latin Grammar. [In 1893, and afterwards, the whole of Aeneid, Bk. I., will be required.]

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language, subject to the same regulations throughout the course of four years.

*Mathematics.*—Arithmetic including a knowledge of the Metric System; Algebra to Quadratic Equations (inclusive); Euclid, Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates taking Greek and unable to take French are not excluded, but will be required to study German after entrance.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics.

Partial Students.—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

Occasional Students.—Ladies desirous of taking one or two Courses of Lectures in the separate classes for women, as Occasional Students, will report their names and the classes they desire to attend to the Lady Superintendent, and may then procure tickets from the Secretary of the University.

## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In Separate Classes.*

*First Year.*—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

*Second Year.*—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics and Mathematical Physics; Botany.

*Third Year.*—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions, at the option of the Student, provided two be selected from one division and one from the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been previously chosen. (*b*) French or German (whichever has been taken in the first two years). (*c*) English and Rhetoric. (*d*) Mental Philosophy.

*II. Science.*—(*e*) Optics and Descriptive Astronomy. (*f*) † Experimental Physics. (*g*) Natural Science (Zoology).

*Fourth Year.*—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy with any three subjects out of the two following divisions, at the option of the Student, provided two be selected out of the one division, and one out of the other.

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been taken above. (*b*) French or German, same language as in Third Year. (*c*) History.

*II. Science.*—(*d*) Astronomy and Optics, if not chosen as above. (*e*) † Experimental Physics. (*f*) Natural Science (Geology).

† Undergraduates claiming exemptions (see § V) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the Student in either Third or Fourth Year may select one subject only, together with an additional course in the same, or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the Division.

Additional courses are provided at present in Botany and Practical Chemistry.

*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional and open to Occasional Students.

*Elocution.*—Instruction in this subject will be given to those who desire it, by Mr. J. P. Stephen. Special fee for session, $2.

HONOUR COURSES AND ADDITIONAL COURSES.

*(In Mixed Classes.)*

Undergraduates desirous to take one of the Honour Courses in Classics, Mathematics, Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

## III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D., conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as Fellows.

## IV. FEES.

The fees are the same as for men (see Section XI., *ante.*), except in the case of Partial Students, who are required in the case of the "Special Fee" to pay for the Ordinary Examinations and Annual Registration only, viz., $5; the fees for the Library and Gymnasium ($5 for each) are optional.

The fees are to be paid to the Registrar of the University, from whom Tickets for the Library and copies of the Library Rules may be obtained.

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal, and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examinations and is recommended by the Commissioners.

## V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

MCGILL UNIVERSITY LIBRARY

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

LECTURES OPEN TO OCCASIONAL STUDENTS, SESSION 1892-93.

CHEMISTRY:—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY:—*Prof. Penhallow.* Monday at 11, Wednesday at 12.

ZOOLOGY:—*Sir Wm. Dawson.* Tuesday and Thursday at 12.

GEOLOGY:—*Sir Wm. Dawson and Mr. Adams.* Monday and Friday at 12. Wednesday at 10 a. m.

EXPERIMENTAL PHYSICS:—*Professor Cox.* Tuesday and Thursday, at 10 a.m. and 11 a.m.

PSYCHOLOGY AND LOGIC:—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday at 4 p.m., and Monday at 3 p.m.

MENTAL PHILOSOPHY:—*Rev. Dr. Murray and Mr. Lafleur.* Monday at 4 p.m. and Wednesday at 3 p.m.

MORAL PHILOSOPHY:—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a.m.

RHETORIC:—*Mr. Lafleur.* Tuesday at 11 a.m.

ENGLISH:—*Prof. Moyse.* Language and Literature, Tuesday, Wednesday and Friday at 4 p.m. Poets of the 19th Century, Wednesday, 3 p.m. Shakespere, every alternate Friday at 3 p.m. Chaucer, Monday at 10 a.m.

HISTORY:—*Prof. Moyse.* Thursday at 9 a.m.

LATIN AND GREEK*: —*Rev. Dr. Cornish and Dr. Eaton.*

FRENCH*:—*Dr. Darey.*

GERMAN*:—

MATHEMATICS AND MATHEMATICAL PHYSICS*:—*Dr. Johnson and Mr. Tory.*

Those Courses in which two lectures weekly are delivered will each amount to about 45 lectures, and the others in proportion.

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* The lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation as ascertained by examination.

## FACULTY OF ARTS.

*Ordinary Lectures in the Donalda Special Course for Women.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 9 | † Mathematics (*b*) | | | | |
| | 11 | | | † Mathematics (*b*) | | |
| | 12 | | Chemistry. | | Chemistry. | |
| | 2 | Mathematics | French. | Mathematics. | French. | Mathematics. |
| | 3 | Latin. | German. | Latin. | Latin. | German. |
| | 4 | Greek. | English. | English. | Greek. | English. |
| Second Year. | 10 | Mathematics. | Math. Phy. | | Greek. | Latin. |
| | 11 | Botany. | Mathematics. | Latin. | † Mathematics. | |
| | 12 | Greek. | Latin. | Botany. | | |
| | 2 | | | | | |
| | 3 | Logic. | French. | English. | French. | English. |
| | 4 | German. | Logic. | | German. | Logic. |
| Third Year. | 10 | English. | Greek. | | Greek. | French. |
| | 11 | French. | Rhetoric Exp. Physics. | | Exp. Physics. | Latin. |
| | 12 | Latin. | Zoology. | Math. Physics. | Zoology. | Math. Physics |
| | 3 | German. | | Metaphysics. | German. | |
| | 4 | Metaphysics. | | | | |
| Fourth Year. | 9 | Astronomy (*a*) | | | History. | |
| | 10 | French. | Exp. Physics. | Geology. | Exp. Physics. | French. |
| | 11 | German. | Latin. | Astronomy (*a*). | Greek. | Moral Phil. |
| | 12 | Geology. | Moral Phil. | Moral Phil. | | Geology. |
| | 2 | | | | | German. |

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

† For Candidates for Honours.

* For Honour Lectures in 3rd and 4th years see previous table.

(*a*) During First Term.

(*b*) During Second Term.

# Faculty of Applied Science.

THE PRINCIPAL (*ex-officio*).

Professors :—HARRINGTON. BOVEY. MCLEOD. CHANDLER. CARUS-WILSON. NICOLSON.

Associate Professors :—DAWSON. DAREY. MOYSE. PENHALLOW. COX.

Lecturers :—CARLYLE, EVANS.

Associate Lecturers :—LAFLEUR, ADAMS, MORIN.

Assistant :—TAYLOR.

Dean of the Faculty :—HENRY T. BOVEY, M.A., M.Inst.C.E., F.R.S.C.

## § I. GENERAL STATEMENT.

The Instruction in this Faculty is designed to afford a complete preliminary training of a practical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Five distinct Departments of study are established, viz. :—

(1).—Civil Engineering and Surveying. (2).—Electrical Engineering. (3).—Mechanical Engineering. (4).—Mining Engineering. (5).—Practical Chemistry.

Each of these extends over four years, and is specially adapted to the prospective pursuits of the Student. The subjects of instruction in the several Departments are given in the Table on the following page.

The Degrees conferred by the University upon such undergraduates of this Faculty as shall fulfill the conditions and pass the Examinations hereinafter stated will be, in the first instance, "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and, subsequently, the degree of "Master of Engineering" or of "Master of Applied Science." (§ IV.)

## § II. TABLE SHOWING THE SUBJECTS OF INSTRUCTION, AND HOURS PER WEEK DEVOTED TO EACH SUBJECT.

| | SUBJECTS. | Description under | Civil Engineering. | Electrical Engineering. | Mechanical Engineering. | Mining Engineering. | Practical Chemistry. |
|---|---|---|---|---|---|---|---|
| FIRST YEAR. | Chemistry | § XI., 8 | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 |
| | English | " 14 | 3 | 3 | 3 | 3 | 3 |
| | French or German | " 15 | 3 | 3 | 3 | 3 | 3 |
| | Mathematics | " 13 | 10 | 10 | 10 | 10 | 10 |
| | Freehand Drawing | " 4 | 3 | 3 | 3 | 3 | 3 |
| | Geometrical Drawing | " 3 | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 |
| | Shopwork | § XIV. | 7 | 7 | 7 | 7 | 7 |
| SECOND YEAR. | Botany | § XI., 11 | — | — | — | — | 2 |
| | Chemistry | " 8 | — | — | — | 7 | 14 |
| | English | " 14 | 1 | 1 | 1 | 1 | 1 |
| | French or German | " 15 | 2 | 2 | 2 | 2 | 2 |
| | Mathematics | " 13 | 6 | 6 | 6 | 6 | 2 |
| | Mechanism | " 6 | — | 2 | 2 | — | — |
| | Physics | " 12 | 2 | 2 | 2 | 2 | 2 |
| | Surveying | " 2 | 3 | — | — | 3 | — |
| | Zoology* | " 10 | 3 | — | — | 3 | — |
| | Drawing | " 3 | 8 | 8 | 8 | 6 | — |
| | Physical Laboratory | § XII., 3 | 6 | 6 | 6 | 3 | 5 |
| | Shopwork | § XIV. | 3 | 6 | 6 | 3 | — |
| THIRD YEAR. | Chemistry | § XI., 8 | — | — | — | 6 | 16 |
| | Determinative Mineralogy | " 8 | — | — | — | 3 | 3 |
| | Geology and Mineralogy * * | " 10 | 3 | — | — | 4 | 4 |
| | German | " 15 | — | — | — | — | 2 |
| | Kinematics and Dynamics of Machinery | " 6 | — | 2 | 2 | — | — |
| | Mathematics | " 13 | 3 | 3 | 3 | 3 | — |
| | Mechanism | " 6 | 2 | — | — | 2 | — |
| | Mining | " 7 | — | — | — | 3 | — |
| | Physics | " 12 | 2 | 2 | 2 | 2 | 2 |
| | Surveying | " 2 | 3 | — | — | 3 | — |
| | Theory of Structures | " 1 | 4 | 3 (a) | 3 | 3 | — |
| | Zoology * | " 10 | — | — | — | — | 3 |
| | Drawing | " 3 | 9 | 6 | 6 | 3 | — |
| | Electrical Laboratory | XII., 6 | — | 6 (b) | — | — | — |
| | Physical Laboratory | " 3 | 3 | 9 | 3 | 3 | 3 |
| | Testing Laboratory | " 4 | 6 | 3 (a) | 3 | — | — |
| | Shopwork | § XIV. | — | 6 | 6 | — | — |
| FOURTH YEAR. | Assaying | § XI., 18 | — | — | — | 9 | — |
| | Chemistry | " 8 | — | — | — | — | 24 |
| | Dynamics of Machinery | " | — | 1 | 1 | — | — |
| | Electrical Engineering | " 6 | — | 2 | — | — | — |
| | Geodesy | " 2 | 2 | — | — | — | — |
| | Geology and Mineralogy * * | " 10 | — | — | — | 3 to 6 | 3 |
| | Hydraulics | " 1 | 2 | — | 2 | 2 | — |
| | Machine Design | " 6 | — | 1 | 1 | — | — |
| | Mathematics | " 13 | 3 | 3 | 3 | 2 | — |
| | Metallurgy | " 7 | — | — | — | 2 | — |
| | Theory of Structures | " 1 | 4 | — | — | — | — |
| | Thermodynamics | " 9 | 1 | 1 | 1 | — | — |
| | Drawing (Designing) | " 3 | 6 | 3 | 9 | — | — |
| | Electrical Laboratory | § XII., 6 | — | 14 | — | — | — |
| | Geodetic Laboratory | " 7 | 3 | — | — | — | — |
| | Hydraulics Laboratory | " 8 | 3 | — | 3 | 3 (a) | — |
| | Mechanical Laboratory | " 9 | — | — | 6 | — | — |
| | Museum Work | | — | — | — | 6 | — |
| | Physical Laboratory | " 3 | Opt. | 8 | Opt. | Opt. | Opt. |
| | Testing Laboratory | " 4 | 3 | — | — | — | — |
| | Thermodynamic Laboratory | " 5 | 3 | — | — | — | — |
| | Shopwork | § XIV. | 3 | 4 | 4 | — | — |

(a) First term. (b) Second Term. * Besides study in the Museum.
* * Also Saturday excursions, and Museum and Petrographical work.

## § III. MATRICULATION AND ADMISSION.

Candidates for examination must present themselves on the first day of examinations, and all Students must attend punctually at 9 a.m. on Wednesday, September 21st, when the lectures will begin.

Examinations for entrance will be held (1) on June 1st and following days in McGill College and at local centres, and (2) on Friday, September 16th, and following days in McGill College only.

Any Head Master or other person desiring a local examination in June must, before May 10th, submit the name of some suitable person, preferably a University graduate, who is willing to act as Deputy Examiner, *i.e.*, receive the questions, hold the examinations, and forward the answers to Montreal. Further particulars relating to this examination will be given on application to the Secretary of the University.

### SUBJECTS OF EXAMINATION.

MATHEMATICS.—*Arithmetic*—All ordinary rules, including square root, and a knowledge of the Metric System.

*Algebra*—Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations of one or more unknown quantities.

*Geometry*—Euclid, Bks. I., II., III., with easy deductions. (Students are advised to study also Books IV. and VI. before entrance, but will not be examined thereon.)

*Trigonometry*—As in Hamblin Smith, pp. 1-100, omitting Ch. XI.

ENGLISH—*Dictation*. *Grammar* (including analysis).

After entrance, one modern language, viz., FRENCH or GERMAN, must be studied. In the former subject an entrance examination (to the beginning of Syntax, with easy translation) will be held at the same time as the other examinations. The German may be taken without previous examination.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

PARTIAL STUDENTS.—Students may be allowed to take one or more courses of instruction upon showing by examination or otherwise that they are qualified to do so.

## § IV. EXAMINATIONS.

### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

1. FACULTY EXAMINATIONS.

There will be a Christmas Examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A Sessional Examination in all the subjects will be held at the end of the First and Second Years.

2. UNIVERSITY EXAMINATIONS.

(*a*) There will be a Primary Examination at the end of the Third Year in all subjects of that year. Candidates must pass this Examination before entering the Final Year.

(*b*) There will be a Final Examination for the degree of Bachelor of Applied Science at the end of the Fourth Year, in all the subjects of that year.

Successful Students will be arranged in order of merit.

### II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Electrical, Mechanical, or Mining Branch of Engineering.

They must pass with credit an examination extending over the general theory and practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for Examinations, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the Examination. (See also § V.)

### III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been em-

ployed during that time in some branch of scientific work, and must pass with credit an examination on the Theory and Practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading. (See also § V.)

## § V. POST-GRADUATION COURSES.

Students who take the Bachelor's degree in one of the courses provided by the Faculty of Applied Science may graduate in any of the remaining courses by attending one or more subsequent sessions.

Graduates may also take an advanced course in the branch in which they have received their degree. On passing an examination at the end of such advanced course, the Master's degree will be given without further examination as soon as satisfactory certificates of having been employed for two years in practical work have been received.

## § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

## § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the Library and Museum as Undergraduates in Arts.

## § VIII. FEES.

The total fees for all Students, excepting Students of the Third and Fourth Years who entered previous to September, 1890, will be $100.00 per annum, of which amount the sum of $63.00 is for tuition, $12.00 are University fees (matriculation, library, graduation, etc.), and $25.00 are for the use of the machinery and other apparatus, as well as the cost of material in the workshops and engineering laboratories. The present Fourth Year Students will obtain similar privileges on payment of a special fee of $10.

Every Student will be required to deposit with the Secretary of the University the sum of $5.00, as caution money for damage done to the machinery or other apparatus.

Partial Students may be admitted to the Professional Classes in any year by payment of the ordinary fees for that year; or they may attend the lectures on any subject by payment of a special fee.

SPECIAL WORKSHOP FEES.—Partial Students desirous of taking the workshop courses will be required to pay the following fees, which include cost of materials and use of all tools:

| | | | | | |
|---|---|---|---|---|---|
| 1 day, or 7 hours per week for the whole Session from | | | | September to April: | $25 00 |
| 2 days, or 14 | " | " | " | " | 45 00 |
| 3 days, or 21 | " | " | " | " | 60 00 |
| 4 days, or 28 | " | " | " | " | 70 00 |

The fees must be paid to the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each Session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, on payment of a fine of $1.

Students are required to purchase their own chemicals, etc., except in the First Year. The larger pieces of chemical apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Fee for the Degree of MASTER OF ENGINEERING or MASTER OF APPLIED SCIENCE, $10.00.

If for any special reason the Degree of MA.E., or M.A.SC., be granted *in absentiâ*, the fee will be $25.00.

NOTE.—For Students of the Third and Fourth Years, who entered previous to September, 1890, the fees will be $49.00 for each session in the courses of Civil and Mechanical Engineering, and $59 00 for each session in the courses of Mining Engineering and Practical Chemistry.

The graduation fee for such Students will be $12.50.

UNIVERSITY LIBRARY

## § IX. MEDALS, EXHIBITIONS, PRIZES AND HONOURS.

1. The British Association Gold Medal and Exhibition, founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for the Session 1892-93 will be awarded to the Student in the Fourth Year who takes the highest standing in the Civil Engineering Course.

2. The Stanley Silver Medal (the gift of His Excellency The Right Honourable Lord Stanley).

The Stanley Medal for the Session 1892-93 will be awarded in the Fourth Year.

The following Exhibitions and Prizes will be open for competition at the beginning of the session, *Students being required to notify the Dean of their intention to compete, at least one week before the commencement of the examinations :*

3. A British Association Exhibition of $50.00 to Students entering the Fourth Year, the subjects of examination being the Mathematics and Theory of Structures of the Ordinary Course.

4. A Scott Exhibition of $60.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

(*a*) Macaulay's History of England, Vol. I, cap. I ; Scott's Lady of the Lake. (*b*) Mathematics of the Second Year Course. (*c*) Mechanism

5. A British Association Prize of $25.00 will be open for competition to Students entering the Second Year, the subjects of Examination being :—

(*a*) Macaulay's History of England, Vol. I, cap. I ; Shakespeare's Tempest. (*b*) Mathematics of the First Year course.

6. Two Prizes in Books, each of the value of $25.00, one presented by E. B. Greenshields, B.A., and one presented from the British Association Fund, for the two best Summer Reports or Essays.

7. A Prize of $25.00, presented by P. A. Paterson, M. Inst. C.E., for the best Summer Essay on any structural work connected with the profession of Civil Engineer.

8. Two Prizes, each of $10.00, from the British Association Medal Fund, to Students entering the Third Year, for proficiency in Levelling or Transit Work.

9. A Prize of $20.00, from the British Association Medal Fund, to Students entering the Second Year, the subjects of examination being:—(*a*).—Inorganic Chemistry; (*b*).—Elements of Organic Chemistry; (*c*).—Practical Chemistry.

10. A Prize of $15.00, presented by A. T. Taylor, F.R.I.B.A., to be offered for competition to Students matriculating into the First Year, for proficiency in Freehand and Model Drawing.

11. Three Prizes of $25.00, $20.00 and $15.00, presented by H. Garth, will be awarded to the candidates taking the highest standing in the September matriculation examinations, as determined by the results in English, Mathematics, and French or German; open to all Students entering the First Year.

12. Prizes or certificates of merit are given to such Students as take the highest place in the Sessional and Degree Examinations.

13. HONOURS.—On graduation, Honours will be awarded for advanced work in Professional subjects.

14. By the will of the late Dr. T. Sterry Hunt, F.R.S., an endowment has been provided for Scholarships in Practical Chemistry which it is hoped will be available before the close of next session.

15. SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSION FOR THE EXHIBITION OF 1851.—These Scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable Students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1891 was placed by the Commission at the disposal of McGill University, and another may be granted in 1893.

It is open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

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16. WORKSHOP PRIZES.—(*a*) A prize of $20.00, presented by C. J. Fleet, B.A., B.C.L., for bench and lathe work in the wood-working department, open to Students of not more than two terms standing in workshop practice.

(*b*) A Prize of $20.00, presented by J. Peck, for machine work.

(*c*) A Prize of $20.00, presented by H. Garth, for smith work.

(*d*) A Prize of $20.00, presented by H. Garth, for foundry work.

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## § X. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees (§ VIII).

2. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

3. Students and Graduates in Arts will be admitted to such standing in the Faculty of Applied Science as their previous studies will warrant, but are recommended to take the drawing and shop-work during their Arts Course.

4. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they have previously attended as Students in Arts.

5. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental examination is passed, Students will not be allowed to proceed to any subsequent examination in the subject.

6. Students may be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

7. Students who fail to obtain their Session, and who, in consequence, repeat a Year, will not be exempted from examination in any of those subjects in which they may have previously passed, except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

8. A Student may obtain a certificate of standing on payment of a fee of $2.00.

9. Certificates may be given to Students who have passed through any of the special courses attached to the curriculum.

10. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings, and acquire knowledge of the utmost importance in relation to the practical part of the profession.

11. Caps and gowns, also the overalls for the workshops, may be obtained from the janitor of the Engineering Building.

## § XI. COURSES OF LECTURES.

### 1. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor:—HENRY T. BOVEY, M.A., M.INST.C.E., F.R.S.C. (Scott Professor of Civil Engineering and Applied Mechanics).

THEORY OF STRUCTURES. (For Laboratory Work, see § XII.)

The lectures on this subject embrace:—

(*a*) The analytical and graphical determination of the stresses in the several members of framed structures, both simple and complex, as, *e.g.*, cranes, roof and bridge trusses, piers, etc.

(*b*) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(*c*) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy and entropy, together with a discussion of the nature and effect of the different kinds of stress, and the resistance offered by a material to deformation and to blows.

(*d*) The design and proper proportioning of beams, pillars, shafts, roofs and bridge trusses, arches, earth-works and retaining walls.

TEXT BOOK.—Bovey's Strength of Materials and Theory of Structures.

HYDRAULICS. (For Laboratory Work, see § XII.)

The lectures deal with this subject both theoretically and with reference to its practical applications.

The Student is instructed in the fundamental laws governing the equilibrium of fluids, and in the laws of flow through orifices, mouthpieces, submerged (partially or wholly) openings, over weirs, through pipes in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power and efficiency of the several hydraulic motors, as, *e.g.*, Reaction Wheels, Pressure-engines, Vertical Water Wheels, Turbines, Pumps, etc.

TEXT BOOK.—Merriman's Hydraulics.

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## 2. SURVEYING AND GEODESY.

Professor :—C. H. McLEOD, MA.E., M. CAN.SOC.C.E.

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in Field Engineering, Practical Astronomy, and in the simpler operations of Geodetic Engineering. The instruction is given by lectures, and by practice in the field, drawing room, laboratory and observatory. The course of lectures is as follows :—

SECOND YEAR.—Chain and angular surveying. The construction, adjustment and use of the various instruments. Contour surveying. Underground surveying. Topography. Ranging curves. Levelling and setting out work.

THIRD YEAR.—Railway locations. Geodetic levelling. Indirect and Barometric levelling. Hydrographic surveying. Introduction to Practical Astronomy.

FOURTH YEAR.—Geodesy. Practical Astronomy.

Each Student in this course is required to take part in the following :—

1. A chain survey. 2. A contour survey based on 1. 3. Compass surveys with and without local attraction. 4. A plane-table survey. 5. The preliminary surveys and location of a line of road, the work being afterwards set out for construction. 6. The hydrographic survey of a channel in the St. Lawrence River. 7. A triangulation survey from one base, checking on a second base. 8. The precise measurement of two base lines. 9. Differences of level by spirit level triangulation and barometer. 10. Determinations of latitude by the zenith telescope and prime vertical methods. 11. Determination of the meridian. 12. Determinations of time by a portable astronomical transit, by sextant, and by the solar attachment. 13. Determination of longitude by the telegraphic method and by moon culminations. 14. Exercises on the comparison of clocks and chronometers. 15. Practice in the use of field magnetic instruments.

Students engaged in these surveys are expected to keep complete notes, and from them to prepare all plans and sections required. The necessary instruction in topography and mapping is given in the drawing room.

The large drawing rooms are fitted up with suitable mountings for the various instruments, in order to permit of their use and investigation during the winter months. The equipment of surveying and geodetic instruments includes :—

Seven transits and transit-theodolites. Seven levels. Four sextants. Two plane tables. Three surveyor's and three prismatic compasses. Three current-meters. A 300 foot steel tape arranged for basework. An Altazimuth. A Precision Level. A Zenith Telescope. Astronomical Transits. Break-circuit Chronometer. Chronographs. Heliotropes. Hand levels, chains, rods, tapes, barometers, pedometers, and other minor instruments.

The instruction in the Observatory and Geodetic Laboratory (see § XII.) will be given in the Fourth Year.

Examinations for Land Surveyors :—Any graduate in the Faculty of Applied Science in the Department of Civil Engineering and Land Surveying may have his term of apprenticeship shortened to one year for the profession of Land Sur-

veyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Special provisions will be made for Students who desire to pass the Examination for Dominion Topographical Surveyor.

TEXT BOOKS: Gillespie's Surveying, Johnson's Theory and Practice of Surveying, Shortland's Nautical Surveying, Green's Practical and Spherical Astronomy, Nautical Almanac.

## 3. DESCRIPTIVE GEOMETRY.

Lecturer:—C. H. McLEOD, MA.E.

FIRST YEAR.—Geometrical drawing, orthographic projections, including penetrations, developments, sections, etc. Isometric projection.

SECOND YEAR.—Problems on the straight line and plane. Projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Axometric projections. Shades and shadows. Mathematical perspective and the perspective of shades and shadows.

THIRD YEAR.—Graphical determination of spherical triangles. Spherical projections. Construction of maps.

## 4. FREEHAND AND MODEL DRAWING.

Instructor:—ANDREW T. TAYLOR, F.R.I.B.A., R.C.A.

This course is designed to give Students facility in observation and in sketching objects, both from the flat and from the round. Special instruction is given in sketching parts of machinery, structural work, etc.

## 5. ELECTRICAL ENGINEERING.

Professor:—C. A. CARUS-WILSON, M.A., M.Inst.E.E., A.M.Inst. C.E.
(McDonald Professor of Electrical Engineering).

The theory, construction and calibration of instruments. Ammeters. Voltmeters, Watt meters, and Galvanometers for direct and alternating currents. Instruments for measuring self and mutual induction.

Magnetism. Magnetic circuit. Strength of fields. Coefficients of self and mutual induction. Laws of Induction. Effects of stress and temperature. The construction and design of electro-magnets for special objects. Theory and use of the electro-magnet in the Dynamo.

Electrical mechanism. Regulators. Meters. Arc lamp mechanisms.

Dynamos. Series, shunt and compound wound. Alternate current dynamos. Multiphase dynamos and motors. Characteristics. General design and construction. Methods of winding. Different forms of armatures. Efficiency. Tests of dynamos and motors. Measurement of mechanical power absorbed.

The distribution of electricity. Lighting systems, arc and incandescent. Accumulators. Transformers. Electric traction. Long distance transmission.

## 6. MECHANICAL ENGINEERING.

Professor:—J. T. NICOLSON, B.Sc., M.Can.Soc.C.E. (Workman Professor of Mechanical Engineering).

### KINEMATICS OF MACHINERY.

Definition of a machine. Pairs. Kinematic chains. Triangles of velocity. Slider crank chain and its derivatives. Direct acting engine. Oscillating engine. Quick return motions. Curves of piston position and velocity. Error due to obliquity. Angular velocities. Curves of velocity in slider crank chain. Lever crank chain and its derivatives. Drag Links. Antiparallel mechanism. Loci of points on moving links. Parallel motion. Peaucellier's link work. Double slider crank chain and its derivatives. Swinging cross block. Oldham's coupling. Elliptic chuck. Expansion of elements. Eccentrics. Instantaneous centre. Centrodes. Tension and Pressure Elements. Pulleys. Wheel and Axle. Differential Pulley. Belts. Rolling contact. Toothed gearing.

### DYNAMICS OF MACHINERY.

Dynamics of the steam engine. Curves of crank effort for single, double and triple cranks. Mean crank effort. Fluctuation of energy. Fluctuation of speed. Flywheels. Governors treated graphically; discussing stability, astatism, sluggishness and energy. Acceleration of reciprocating parts and cushioning in engines. Angular acceleration of connecting rods in high speed engines. Oscillating engine. Balancing of double and single acting engines. Dynamics of belt and rope drives, of machine tools, of the locomotive and of the indicator. Examination of indicators and dynamometers.

Friction. Laws based on recent experiments. Journal and pivot frictions. Friction in kinematic chains treated graphically.

### MACHINE DESIGN.

Strength of riveted joints, bolts, nuts, keys, and cotters. Proportions of journals, pivots and shafting, Design of belt, rope and chain gearing. Strength and proportions of engines and boilers. Valve diagrams. Design of machine tools.

## 7. MINING AND METALLURGY.

Lecturer:—W. A. CARLYLE, MA.E.

The lectures on Mining are given during the Third Year, and among the subjects taken up the following may be mentioned:—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring; the Sinking Timbering and Tubbing of shafts; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous Deposits or of Coal Seams, etc.

Ore-dressing and Underground Surveying will also receive special attention. As yet there is no special mining laboratory in which practical operations in ore-dressing, etc., can be carried on, but it is hoped that this deficiency will be supplied in the near future.

In the Fourth Year a course of lectures on Metallurgy is given. The general properties of the metals and the nature of fuels, fire-clays, etc., are first discussed, and afterwards the more important metals and the methods of obtaining them from their ores by wet or dry process taken up in detail.

Students of the Fourth Year also devote considerable attention to the designing of mining machinery, furnaces, etc.

## 8. CHEMISTRY AND ASSAYING.

Professor:—B. J. HARRINGTON, B.A., PH.D. (Greenshields Professor of Chemistry and Mineralogy).

Sessional Lecturer:—NEVIL NORTON EVANS, M.A.Sc.

Assistant:—

This course includes lectures and laboratory work. In the First Year, Students of all the Departments attend a course of lectures on the Laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important Elements and their Compounds, etc. They also devote one afternoon a week during the first term and two afternoons a week during the second term to practical work in the Laboratory, where they learn the construction and use of ordinary apparatus, perform a series of experiments designed to cultivate the powers of observation and deduction, and begin Qualitative Analysis.

In the Second and Third Years, Students in the Department of Practical Chemistry attend lectures on the Chemistry of the Metals or on Organic Chemistry, and receive instruction in Qualitative and Quantitative Analysis, including gravimetric and volumetric methods and the application of electrolytic methods to the estimation of copper, nickel, etc. Blowpipe Analysis and Determinative Mineralogy also constitute part of the work of the Third Year.

In the Fourth Year special attention is devoted to such subjects as Mineral Analysis and Assaying, and the Analysis of Iron and Steel; but considerable latitude is allowed to Students in the choice of subjects, and organic work may, if desired, be taken up.

Students of the Mining Course take Qualitative and Quantitative Analysis during the Second and Third Years, and devote considerable attention in the Fourth Year to Mineral Analysis and Assaying of various ores, fuels, etc. They also attend the class in Blowpipe Analysis and Determinative Mineralogy in the Third Year.

The chemical laboratories (see § XII) are open daily (Saturdays excepted) from 9 a.m. to 5 p.m.

## 9. THERMODYNAMICS.

Lecturer:—J. T. NICOLSON, B.Sc., M.CAN.SOC.C.E.

Fundamental laws and equations of thermodynamics. Application to perfect gases and to steam saturated and superheated. Efficiency of perfect heat engines. Efficiency of actual air, gas, petroleum, and steam engines.

QUEEN'S UNIVERSITY LIBRARY

A study of the steam engine, including wiredrawing, cylinder condensation and jacketing, and the most efficient and most economical point of cut-off. Sizes and proportions of cylinders in single, double and triple expansion engines to develop a given power. Expected indicator diagrams. Sizes and proportions of the principal types of steam generators. Comparison of practical suitability of steam and caloric engines. Theory of engine and boiler testing.

## 10. GEOLOGY AND MINERALOGY.

Professor :—Sir William Dawson, LL.D., F.R.S. (Logan Professor of Geology).

Professor :—B. J. Harrington, B.A., Ph.D., F.G.S.
Lecturer :—Frank D. Adams, M.A.Sc.

Second Year.—A preliminary Course in Zoology, with special reference to Fossil Animals.

Third Year.—Mineralogy (Ordinary and Honour), Petrography, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

Fourth Year.—Special studies in Mineralogy and Petrography ; Advanced Course in General Geology and Palæontology ; Geology of Canada ; Practical Geology and Field-work.

For further details see Announcement of the Faculty of Arts.

Note.—Students of the Mining and Chemistry courses take the Honour Mineralogy of the Third Year. Mining Students take the whole (Honour) course of the Fourth Year. Chemistry Students take, in addition to the ordinary course in Geology, the Honour Mineralogy of the Fourth Year.

## 11. BOTANY.

Professor :—D. P. Penhallow, B.Sc., F.R.S.C.

*Course.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology.

## 12. EXPERIMENTAL PHYSICS.

Professor :—John Cox, M.A. (McDonald Professor of Experimental Physics).

The instruction includes a fully illustrated course of Experimental Lectures on the general principles of Physics (embracing, in the Second Year,—*The Laws of Energy—Heat and Light ;* in the Third Year—*Sound—Electricity and Magnetism*), accompanied by courses of practical work in the Laboratory in which the Students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements. Students of Electrical Engineering will be expected to continue their work in the Laboratory in the Fourth Year, when they will be prepared to undertake, under the guidance of the Professors, advanced measurements and special investigations bearing on their Technical Studies.

## 13. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M.A.

The work in this department is conducted from the outset with special reference to the needs of Students of Applied Science. A large amount of time is given to practice in the use of Mathematical Tables, particular attention being paid to the solution of triangles, the tracing of curves, graphical representation of functions, reduction of observations, etc. Areas, volumes, masses, centres of gravity, moments of inertia, etc., are determined both by calculation and by observation or experiment, and each method is made to supplement or illustrate the other. In this connection use will be made, in actual laboratory practice, of a large amount of apparatus, such as balances, Atwood's Machine, inclined planes, chronograph, rotation apparatus of various kinds, etc. The different methods of approximation, the reduction of results of experiments and observations by least squares, etc., will also receive due attention.

All Engineering Students will receive instruction in the following subjects :—

FIRST YEAR.—Euclid, to the end of Book VI., with exercises on Loci, Transversals, etc. Algebra, including the Binomial Thereom. Elements of Solid Geometry and of Geometrical Conic Sections. Plane and Spherical Trigonometry. Elementary Kinematics and Dynamics.

SECOND YEAR.—Analytic Geometry. Differential and Integral Calculus. Dynamics of Solids and Fluids.

THIRD AND FOURTH YEARS.—Continuation of Analytic Geometry, Calculus and Dynamics.

Classes will also be held for advanced (optional) work in these subjects and also in Practical and Spherical Astronomy.

Students in the Course of Practical Chemistry do not take the Analytic Geometry and Calculus.

*Text Books* (Partial list): Todhunter's or Mackay's Euclid, Wilson's Solid Geometry and Conic Sections, Wentworth's Analytic Geometry, Chandler's Calculus, Blaikie's Dynamics, Wright's Mechanics, Bottomley's Mathematical Tables, Chambers's Mathematical Tables.

## 14. ENGLISH LANGUAGE AND LITERATURE.

Professor :—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature).

Lecturer :—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

THIRD YEAR.—A special course on English Composition.

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## 15. FRENCH AND GERMAN.

*French Language and Literature.*

Professor :—P. J. DAREY, M.A., B.C.L., LL.D., Officier d'Académie.

*First Year.*—Darey—Principes de Grammaire Française. Lafontaine—Choix de fables. Molière—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine.—Esther. Ponsard—l'Honneur et l'Argent. Contanseau—Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—Dr. Johnson.—Rasselas. Dictation. Parsing. Colloquial exercises.

*German Language and Literature.*

Lecturer :—

*First Year.*—Vandersmissen's and Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 1 and 2). Translations, oral and written. Dictation. Colloquial exercises.

*Second Year.*—Vandermissen's and Fraser's German Grammar. Adler's Progressive German Reader (selections from Sections 3-5). Immermann ; Der Oberhof. Parsing. Dictation. Colloquial exercises. Translations, oral and written.

*Third Year.*—Vandersmissen's and Fraser's German Grammar. Lessing, Minna von Barnhelm ; Schiller, Siege of Antwerp. History of German Literature from the earliest periods to the close of the 18th century (a brief survey). German Composition. Dictation.

## 17. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

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## § XII. LABORATORIES.

In the Laboratories the Student will be instructed in the art of conducting experiments, a sound knowledge of which is daily becoming of increasing importance in professional work.

1. LABORATORY OF MATHEMATICS AND DYNAMICS.—The Laboratory connected with the mathematical class-room is fully equipped with instruments for the measurement of distance (scales,

micrometers), of area (planimeters), of volume (flasks, graduated vessels, etc.), of time (clocks, chronographs), of mass (beam and spring balances); it is also provided with specific gravity balances, Atwood and Morin machines for experiments on the Laws of Motion, inclined planes, a variety of rotation apparatus (gyroscope, Maxwell's Dynamical Top, torsion balance, pendulums, etc.), air pumps, thermometers, barometers, etc.

2. Chemical Laboratories.—The Chemical Laboratories are three in number,—one for Students of the First Year, one for Students of the Second and Third Years, in which it has been found necessary to carry on both qualitative and quantitative work, and one which is reserved for Students of the Fourth Year and for special Students who may wish to carry on original investigations. The fittings of this last room were the gift of Mr. W. C. McDonald. There is also a special room in the basement which is fitted up for fire assaying.

The Laboratories are supplied with four balances by Becker & Sons, one Bunge and a bullion-balance by Trœmner. There are also a Laurent polariscope, a spectroscope by Dubosque, gas combustion and melting furnaces, apparatus for electrolytic work, etc., etc. Distilled water is obtained by means of a special boiler placed in the basement, which also supplies the steam for drying ovens, steam baths and drying chamber in the upper Laboratories.

3. Physical Laboratory.—The McDonald Physical Laboratory is nearly completed, and will be ready for occupation in October, 1892. It contains five storeys, each of 8000 square feet area. Besides a Lecture Theatre and its apparatus rooms, the Building includes an Elementary Laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced Students in Heat and Electricity, a range of rooms for optical work and photography; separate rooms for private thesis-work by Students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special Physical Library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating Lectures; (2) simple forms of the principal instruments for use by the Students in practical work; (3) the

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most recent types of all the important instruments for exact measurement, by first class makers, for use in the laboratories for special work and research.

4. Testing Laboratories.—The principal experiments carried out in these will relate to the elasticity and strength of materials, friction, the theory of structures, the accuracy of springs, gauges, dynamometers, etc., the efficiency of shafting, gearing, etc. The equipment will include a 100-ton Wicksteed and a 75-ton Emery machine for testing the tensile, compressive and transverse strength of materials. For the former, an addition has been specially designed, by means of which the transverse strength of timbers up to 25 feet in length can be determined. The Emery machine is constructed and graduated with such accuracy as to render possible delicate experiments on elasticity. The Laboratories are also provided with an autographic torsion machine for testing the torsional strength of materials, machines for determining the effect of repeated stresses, oil testers, strain extensometers, etc., and a very complete supply of gauges, micrometers, and other apparatus for exact measurements.

The importance of tests of the strength of mortars and cements is very great, and the equipment of the Laboratory for the purpose is on a complete plan, including two one-ton dead weight testers, a one ton spring tester (Faija), steaming apparatus, special weighing hopper, spring balances, gun metal moulds, etc. The Laboratory is also fitted with cisterns in which the briquettes may be submerged for any required time.

5. Thermodynamic Laboratory.—The Thermodynamic Laboratory is furnished with an experimental steam engine of 80 I.H.P., specially designed for the investigation of the behaviour of steam under all possible conditions; there are four cylinders, which can be connected so as to allow of single, compound, triple or quadruple expansion, condensing or non-condensing, with or without jackets. The measurements of heat are made by large tanks, which receive the condensing water and the condensed steam. There are two hydraulic absorption brakes for measuring the mechanical power developed, and an alternative friction brake for the same purpose. The Laboratory is further equipped with a variety of apparatus for the investigation and illustration of the general principles of ther-

modynamics, including hot air and other engines, indicators, pyrometers, pressure gauges, etc.

6. Electrical Laboratory.—The equipment of the Electrical Engineering Laboratory includes a high speed steam engine coupled direct to a dynamo for incandescent lighting, and a slow speed steam engine for driving the experimental dynamos. These latter have been chosen to represent the best types now in general use, both of high tension and low tension direct current dynamos, and of alternating current dynamos of high tension for use with transformers ; there is also a motor generator and a multiphase generator and motor.

Arrangements have been made for measuring the mechanical power supplied to the dynamos and given out by the electromotors, of which there are several types ; these arrangements comprise various forms of belt, rope and transmission dynamometers, with a very perfect form of hydraulic absorption dynamometer, with which the accuracy of the others can be checked by readings in absolute measure ; special facilities are provided for varying the speed of the dynamos within any required limits.

The instruments for making the electrical measurements have been selected with care ; these instruments will enable measurements of current strength, resistance, and difference of potential to be made with accuracy, not only in the detached laboratories but in the dynamo room when the machinery is running ; in separate rooms there are standard instruments of precision with which the correctness of the working instruments can be readily checked. These include, amongst others, two of Lord Kelvin's electric balances. There are also a variety of instruments for special purposes connected with electrical measurements, such as instruments for determining coefficients of self and mutual induction, etc.

7. Geodetic Laboratory.—There is in this Laboratory a Rogers comparator for the investigation of standards of length, a Rogers angular dividing engine for the graduation and investigation of circles, a Munro-Rogers linear dividing engine, a standard balance, an astronomical clock, and a portable Bessels reversible pendulum apparatus. In connection with the Laboratory there are also standards of length up to one hundred feet, for standardizing chains, tapes, rods, etc.

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8. HYDRAULIC LABORATORY.—Here the Student will study practically the flow of water through orifices of various forms and sizes, submerged openings, over weirs, through pipes, mouth-pieces, etc. For this purpose there are suitably designed tanks, the largest having a height of 30 feet and a section of 25 square feet, pressure gauges of different kinds, and other apparatus. The Students will also themselves carry out tests upon hydraulic motors, *e.g.*, upon the different classes of turbines, pumps, the Pelton and other wheels, etc. The facilities for conducting such experiments are unusually great, as from the city water supply there is an available head of over 200 feet.

A three-throw experimental pump with a capacity of 1000 gallons per minute, is also being designed for this laboratory, for the purpose of investigating the characteristics of the different forms and sizes of valves, the effects of variations of speed and stroke, etc.

9. MECHANICAL LABORATORY.—In this Laboratory experiments will be carried out on the efficiency of belts, shafting, and machine tools. Governors of all types will be tested with the chronograph. Lubricants by journal friction testing machine. Sliding and rolling friction and the stiffness of ropes will also form subjects for experiment.

## § XIII. MUSEUMS.

The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application. Students will also have the use of a Technical Museum, occupying the whole of the third story of the McDonald Building. Amongst other apparatus the Museum will contain the Reuleaux collection of kinematic models, presented by W. C. McDonald, Esq., and pronounced by Professor Reuleaux to be the finest and most complete collection in America.

## § XIV. WORKSHOPS.

The workshops erected on the Thomas Workman Endowment have a floor area of more than 25,000 sq. ft.

The practical instruction in the workshops is solely designed to give the Student some knowledge of the nature of the materials of construction, to familiarize him with the more important hand and machine tools, and to give him some manual skill in the use of the same. For this purpose, the Student, during a specified number of hours per week, will work in the shops under the direct superintendence of the Professor of Mechanical Engineering, aided by skilled mechanics. The courses commence with graded exercises and gradually lead up to the making of joints, members of structures, frames, etc., finally concluding in the iron-working department with the manufacture of tools, parts of machines, and, if possible, with the building of complete machines.

The equipment includes the following :—

In the Carpenter, Wood-Turning and Pattern Making Departments.—Carpenters' and pattern makers' benches, wood-lathes, a large pattern-maker's lathe, circular-saw benches, jig and band saws, buzz-planer, wood-borer, universal wood-worker, etc.

In the Machine Shop.—The most improved engine lathes, a 36-in. modern upright drill, with compound table, universal milling machine, with vertical milling attachment, hand lathes, planer, universal grinding machine, universal cutter and reamer grinder, a 16-in. patent shaper, vise-benches, etc.

In the Smith Shop.—Forges, vises, hand-drill, and a power hammer.

In the Foundry.—A cupola for melting iron, brass furnace, moulders' benches, etc.

The machinery in the shops is driven by a 50 I. H. P. compound engine and a 10 I. H. P. high speed engine.

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# FACULTY OF APPLIED SCIENCE—TIME TABLE.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| First Year. | 9 | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Shopwork. |
| | 10 | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Do |
| | 11 | English. | French.<br>Drawing. | French. | French. | English. | Do |
| | 12 | Chemistry. | German.<br>Drawing. | English. | German. | Chemistry. | Do |
| | 2 to 5 | Geom. Drawing. | Geom. Drawing (*a*).<br>Pract. Chemistry (*b*). | Shopwork. | Freehand Drawing. | Pract. Chemistry. | |
| Second Year. | 9 | Mathematics. | Mathematics. | French. | Mathematics. | French. | Shopwork, 4. |
| | 10 | Physical Laboratory. | German. | Mathematics. | Mechanism, 2, 3.<br>Surveying, 1, 4.<br>Chemistry, 5. | German. | Do |
| | 11 | Do | Zoology, 1, 4. | Mathematics.<br>Botany, 5. | Zoology, 1, 4. | Mathematics. | Do |
| | 12 | Do<br>Botany, 5. | Experimental Physics. | Mechanism, 2, 3.<br>Surveying, 1, 4. | Experimental Physics. | English. | Do |
| | 2 to 5 | Mapping, 1.<br>*Chemistry, 4, 5.<br>Shopwork, 2, 3. | Surveying (1 hr.), 1, 4.<br>Desc. Geom., 1, 2, 3, 4, 5. | Shopwork, 1.<br>* Chemistry, 4, 5.<br>Mechl. Drawing, 2, 3. | Shopwork, 2, 3.<br>Mapping, 1, 4.<br>* Chemistry, 5. | Physical Laboratory,<br>1, 2, 3, 5. | |

* The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturdays excepted) from 9 a.m. to 5 p.m.
Field work during September and October, 2 to 5 p.m. For 2nd Year *Civil*, on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. For *Mining*, on Mondays, Tuesdays, Thursdays and Fridays. For 3rd Year *Civil* and *Mining*, on Mondays, Wednesdays, Thursdays and Fridays. For 4th year *Civil*, on Saturday mornings and two first clear evenings each week, 7 to 9.
(*a*) First Term. (*b*) Second Term.
1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

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## FACULTY OF APPLIED SCIENCE—TIME TABLE—*Continued.*

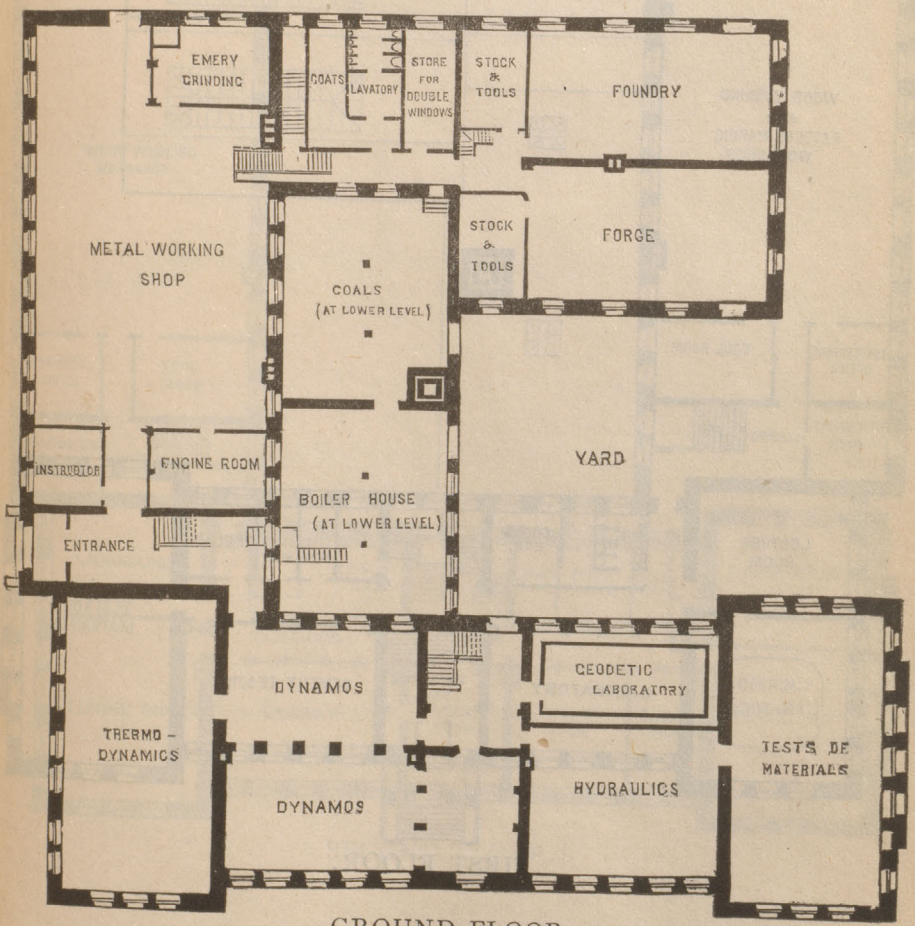
| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| THIRD YEAR. | 9 | Experimental Physics. | Physical Lab., 2.<br>Mineralogy, 4, 5. (*b*) | Geology, 1, 4, 5.<br>Shopwork, 2, 3. | Experimental Physics. | Desc. Geom., 1.<br>Mineralogy, 4, 5. | Testing Lab., 1, 2 (*a*), 3.<br>Electrical Lab., 2 (*b*). |
| | 10 | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Surveying, 1, 4.<br>Physical Lab., 2. | Desc. Geom., 1.<br>Shopwork, 2, 3.<br>Mining, 4. | Mechanism, 1, 4.<br>Chemistry, 5. | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Do |
| | 11 | Mathematics. | Ap. Mech., 1, 2 (*a*), 3, 4.<br>Physical Lab., 2 (*b*).<br>Zoology, 5. | Surveying, 1,4.<br>Shopwork, 2, 3. | Mathematics.<br>Zoology, 5. | Ap. Mech., 1, 2 (*a*), 3, 4.<br>Phys. Lab., 2 (*b*). | Do |
| | 12 | Surveying, 1, 4. | Ap. Mech., 1, 2 (*a*), 3, 4.<br>Phys. Lab., 2 (*b*). | Shopwork, 2, 3.<br>Mechanism, 1, 4. | Mathematics. | Ap. Mech., 1.<br>Physical Lab., 2.<br>Mining, 4. | |
| | 2 to 5 | Mapping, 1.<br>Shopwork, 2, 3.<br>Chemistry, 4, 5. | Mining, 4.<br>Drawing, 1, 2, 3, 4.<br>Chemistry, 5. | Physical Lab., 1, 2, 3, 5.<br>Chemistry, 4, 5. | Mapping, 1.<br>Drawing, 2, 3.<br>Detr. Mineralogy, 4, 5. | Testing Lab., 1.<br>Physical Lab., 2, 4.<br>Thermo. Lab., 3.<br>Chemistry, 5. | |
| FOURTH YEAR. | 9 | Geodesy, 1.<br>Dyn. of Mach., 2, 3. | Electrical Lab., 2.<br>Mechanical Lab., 3. | Hydraulic Lab., 1, 3, 4 (*a*)<br>Electrical Lab., 2.<br>Geology, 5. | Thermodynamics. | Physical Lab., 2.<br>Thermo. Lab., 3. | Geodetic Lab., 1.<br>Shopwork, 2, 3. |
| | 10 | Hydraulics, 1, 3, 4.<br>Electrical Eng'ng., 2. | Do<br>Metallurgy. 4. | Hydraulic Lab.,<br>1, 3, 4 (*a*).<br>Electrical Lab., 2. | Hydraulics, 1, 3, 4.<br>Electrical Eng'ng., 2.<br>Metallurgy, 4 | Geodesy, 1.<br>Physical Lab., 2.<br>Thermo. Lab., 3. | Do |
| | 11 | Mathematics, 1, 2, 3.<br>Geology, 4. | Ap. Mech., 1.<br>Electrical Lab., 2.<br>Mechanical Lab., 3. | Do | Mathematics. | Ap. Mech., 1.<br>Physical Lab., 2.<br>Thermo. Lab., 3.<br>Geology, 4. | Do |
| | 12 | Machine Design, 2, 3. | Do | Electrical Lab., 2.<br>Mineralogy, 4, 5. | Do | Ap. Mech., 1.<br>Physical Lab., 2.<br>Thermo. Lab., 3. | Do |
| | 2 to | Shopwork, 1.<br>Designing, 2, 3.<br>Assaying, 4.<br>Chemistry, 5. | Designing, 1, 4.<br>Electrical Lab., 2.<br>Mechanical Lab., 3.<br>Chemistry, 5. | Designing, 1, 3.<br>Electrical Lab., 2.<br>Assaying, 4.<br>Chemistry, 5. | Testing Lab., 1.<br>Physical Lab., 2.<br>Designing, 3.<br>Assaying, 4.<br>Chemistry, 5. | Physical Lab., 2.<br>Thermo. Lab., 1, 3.<br>Chemistry, 5. | |

(*a*) First Term. (*b*) Second Term.

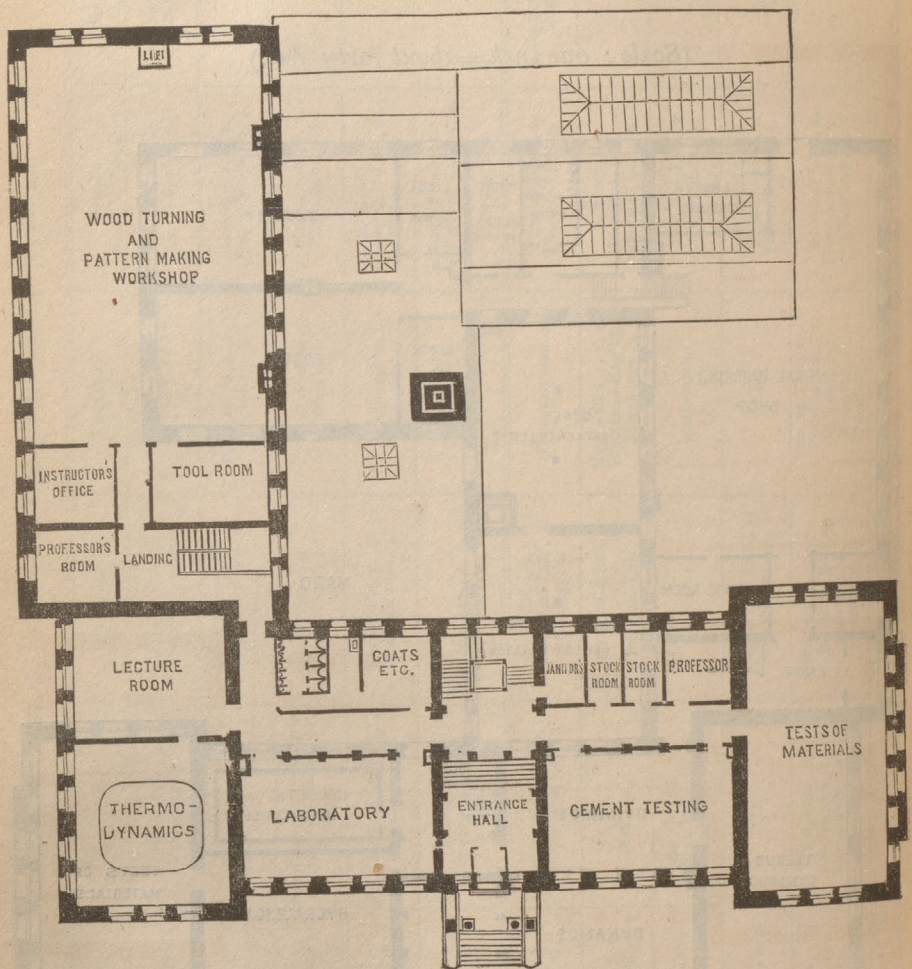
1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

# PLANS OF THE APPLIED SCIENCE BUILDINGS.

*(Scale : one inch=about forty feet.)*

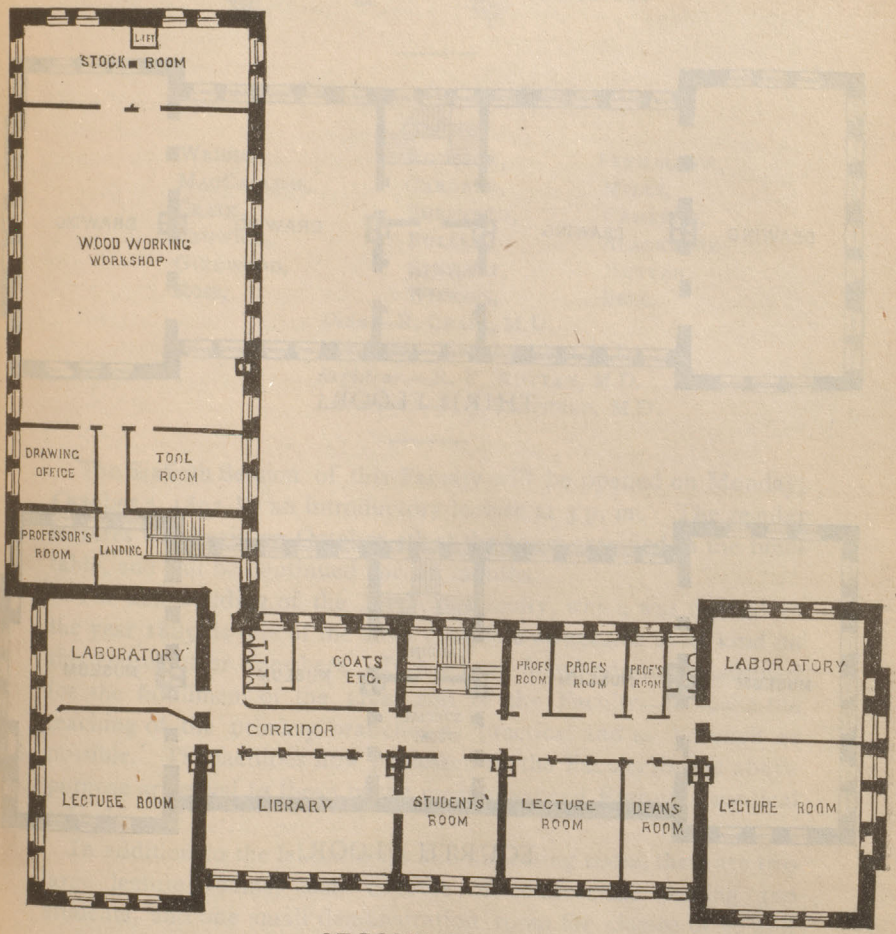



GROUND FLOOR.

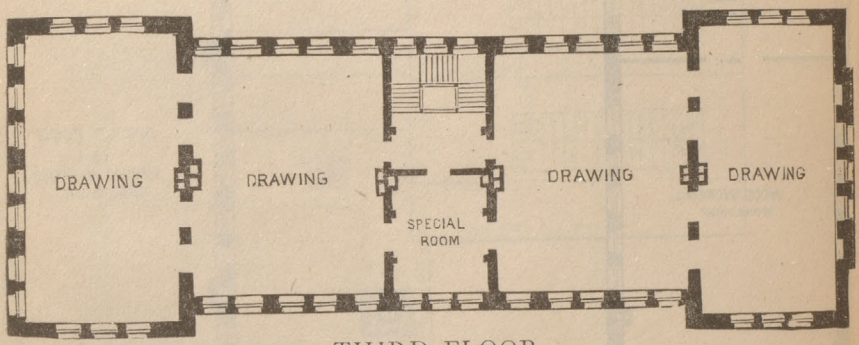



FIRST FLOOR.

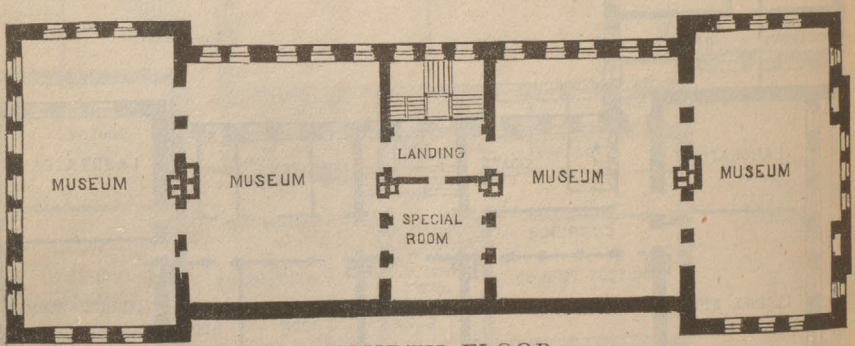
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SECOND FLOOR.




THIRD FLOOR.




FOURTH FLOOR.

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# Faculty of Medicine.

THE PRINCIPAL (*ex-officio*).

*Professors:*

| | | |
|---|---|---|
| WRIGHT, | RODDICK, | PENHALLOW, |
| MACCALLUM, | GARDNER, | MILLS, |
| CRAIK, | SHEPHERD, | CAMERON, |
| FENWICK, | BULLER, | BLACKADER. |
| GIRDWOOD, | STEWART, | RUTTAN, |
| ROSS, | WILKINS, | BELL. |

*Dean.*—R. CRAIK, M.D.
*Vice-Dean.*—GEORGE ROSS, M.D.
*Registrar.*—R. F. RUTTAN, M.D.
*Librarian.*—F. J. SHEPHERD, M.D.

The Sixtieth Session of this Faculty will be opened on Monday, October 3, 1892, by an introductory lecture at 3 p. m. The regular lectures will begin on October 4th at the hours specified in the time-table, and will be continued for six months.

The new building of the Medical Faculty, which was opened in the year 1885, is one of the most complete structures of its kind on this continent or elsewhere. It has been found admirably adapted for the fulfillment of the great aim of the Faculty—to make the teaching of the primary branches as practical and as thorough as possible. The facilities now possessed by the Faculty for the above purpose are equal to those of the most advanced European medical schools.

In addition to the laboratories and dissecting room, there are two large lecture rooms, each capable of comfortably seating 300 students, and one small demonstration room for classes of 50 and under. The space allotted to the library and museum has been largely increased.

The Dissecting Room, which is situated on the second floor, is 76 feet in length and 31 feet in breadth. It is furnished with twenty

tables, and is well lighted for work during the day and night. In procuring appliances for the comfort and convenience of the Students no reasonable expense has been spared.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains amongst other valuable instruments,—kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions and the chief constituents of the tissues and nutritive fluids. The Laboratory is arranged in such a way as to permit of Students assisting at and taking part in these demonstrations. During the past session important additions have been made to the Physiological Laboratory.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. From the large number of microscopes employed, Students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration.

The Pharmacological Laboratory is a large room situated on the ground floor, and is now furnished with the necessary appliances for the practical teaching of pharmacy.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the College, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

In the Pathological Laboratory accommodation will be provided

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for Students or practitioners who desire to carry on private pathological research.

The recent additions made to the Laboratory include a suite of rooms exclusively devoted to the study and culture of Bacteria, furnished with a complete outfit of the best modern apparatus for this purpose.

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The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemption in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec.

## § I. MATRICULATION.

Intending Students who purpose practising Medicine in Canada, are requested to observe that by the Regulations in force in the various Provinces of the Dominion they are required to pass the Matriculation accepted by the several Registering Boards of these provinces before beginning their course of study.

Students holding the degree of Bachelor of Arts are exempted from examination for matriculation, but must present their diplomas and be registered before beginning their studies.

The Preliminary Examination in General Education of the following Bodies is accepted by this University in lieu of its own Matriculation Examination :—

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.

6. Students who have passed the matriculation examination of recognized Universities.

Students not having any of the above qualifications for entrance are required to pass one or other of the following examinations :—

1. The June Matriculations in Arts of this University, commencing June 1, 1892.

Papers for the June examination can be sent to local centres on application to the Secretary of the University. The September examinations are held in Montreal only.

The subjects for examination are Classics, Mathematics and English.

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin.*—Cæsar, Bell. Gall., Book I.; and Virgil, Æneid, Book I., lines 1-300; Latin Grammar.

*Mathematics.*—Arithmetic, including the Metric System; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III. (In June, 1893, to Quadratics inclusive.)

*English.*—Writing from Dictation. A paper on English Grammar, *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

2. The September Examinations in Arts of the University, held in McGill College only, on Sept. 15th, 1892, and following days, and including the same subjects above stated, except that alternative books in the classical subjects will be accepted.

3. The special Examination for entrance into the Faculty of Medicine, which is the same as that required by the Medical Council of Great Britain.

This Examination will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Application may be made to Dr. Howe, the examiner, till the evening of the previous day. The requirements of the standard for Matriculation are :—(1) English Language, including Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original, and Grammar. (5) Elements of Mathematics, comprising (*a*) Arithmetic, including Vulgar and Decimal Fractions; (*b*) Algebra, including simple Equations; (*c*) Geometry, including the first three books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects :—(*a*) Greek, (*b*) French, (*c*) German, (*d*) Italian, (*e*) Logic, (*f*) Botany, (*g*) Elementary Chemistry.

TEXT-BOOKS.—Latin, Cicero, in Catilinam I.; or Virgil, Æneid, Bk. I.; or Caesar, Bell. Brit.

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GREEK.—Xenophon, Anabasis, Bk. I., or Homer's Iliad, Bk. IV.
FRENCH.—Voltaire's Charles XII., I and II Books.
NATURAL PHILOSOPHY.—Ganot's Physics, Books I, II and III.
BOTANY.—Gray's "How Plants Grow."
ELEMENTARY CHEMISTRY.—Storer and Elliot's Manual.

## § II.—ENREGISTRATION.

*The following are the University Regulations :—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enroll their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance at the time of enregistration.

## § III.—COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory, a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

ASSISTANT PROFESSOR, R. F. RUTTAN.

Inorganic Chemistry is fully treated ; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to the members of the class, to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

## PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

ASSISTANT PROFESSOR, R. F. RUTTAN.

The course in Practical Chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, etc., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily, and criticized.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the student.

*Laboratory work for Senior Students* :—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room and such as require the use of elaborate methods, apparatus, etc. There will be no extra fee for this part of the course.

## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

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## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, A. D. BLACKADER.

The course on this subject comprises:—

I. A description of the Pharmacology and Therapeutics of the more importan medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital, on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the out-door clinics.

III. The attendance during the summer session of a course on Practical Material Medica.

## MEDICINE.

PROFESSOR, GEORGE ROSS.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general laws* of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

## CLINICAL MEDICINE.

PROFESSOR, JAMES STEWART.

Attendance is given in the Medical Wards of the Montreal General Hospital on three days of every week with 3rd year Students, and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks and are systematically read before the class. Instruction is given at the bedside, and every pupil is required to take part in the physical examination of patients. The mode of conducting investigations, the use of the microscope, the value of the thermometer and ophthalmoscope, etc., in medical diagnosis, are all explained and illustrated. Senior Students are called upon in rotation to

examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

## SURGERY.

PROFESSOR, THOMAS G. RODDICK.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist, and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previous summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

## CLINICAL SURGERY.

PROFESSOR RODDICK.

ASSOCIATE PROFESSOR, JAMES BELL.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticized, and fresh cases are examined by the Senior Students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, etc. Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

The course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc. 2. Bedside instruction in the Montreal Maternity, including the management and after-treatment of cases. 3. A com-

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plete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

Particular attention is given to clinical instruction, and a clinical examination in Midwifery, similar to that held in Medicine and Surgery, now forms part of the final examination.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

Particular attention is given to clinical instruction, and a clinical examination in Gynæcology, similar to that held in Medicine and Surgery, now forms part of the final examination.

## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for showing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning, and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptons, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

## OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on diseases of the Eye and the Ear, both didactic and clinical. In the former, the general principles of diagnosis and treatment will be dealt with, including three lectures on the errors of refraction and faults of accommodation; in the clinical lectures given in the hospital, cases illustrative of the typical form, of ordinary diseases of the eye and ear will be exhibited and explained to the class. In the out-patient department of the hospital, Students have excellent opportunities of gaining clinical experience.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, etc., Village Sanitary Associations; Mutual Protective Sanitary Associations for cities.*

## BOTANY.†

PROFESSOR, D. P. PENHALLOW.

The purpose of this course is to give Students a good grounding in the principles of General Morphology, and advance their knowledge of the comparative physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation.

It comprises :—

1. A course of lectures on general Morphology and Classification, Histology and Physiology. The lectures are illustrated by means of the microscope and by the models and large collections in the Peter Redpath Museum.

2. Practical work in the determination and classification of Species, for which the Botanic Gardens of the University offer special facilities.

3. Studies in Canadian Botany. This work is prosecuted by means of field excursions, which are held as often as opportunity is afforded during the autumn months.

4. A special collection of Medicinal plants, now being formed at the Botanic Gardens, offers a valuable preparation to the course in Pharmacology.

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*Students may attend the Lectures on Sanitation in the Faculty of Applied Science,—Fee $6.

† Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year either Botany or Zoology, subject, however, to the provisions of the law in the Province in which they intend to practise medicine. Students desirous to take both subjects in one year must apply to the Faculty for permission.

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## ZOOLOGY.†

PROFESSOR, SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee. Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

## PATHOLOGY.

*This Course comprises :—*

1. Twenty-five lectures on General Pathology to Students of the third year.

2. Weekly Pathological Demonstrations to Students of the third year. The gross and miscroscopic appearances of specimens collected during the week are demonstrated to the final classes. In addition, special demonstrations in Pathological Histology are given throughout the session.

3. Instruction in Post-Mortems. The Autopsy Room of the General Hospital is in charge of the Demonstrator. The post-mortems are performed by the Students in rotation under his direction, and systematic demonstrations of post mortem methods, including those to be followed in Medico-Legal cases, will also be given.

## PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins It is intended especially for teaching the *technique* of Miscroscopy. Students will be shown how to examine blood, etc., also to cut, stain and mount specimens. Everything except over-glasses and cabinet cases provided. Fee $8.00.

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## § IV.—QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine :—

1st. No one entering after October 1st, 1884, will be admitted to the Degree of Doctor of Medicine and Master of Surgery who shall not have attended Lectures for a period of at least four six months' sessions and one three months' summer session* in this University, or some other University, College or School of Medicine approved of by this University.

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* Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year either Botany or Zoology, subject, however, to the provisions of the law in the Province in which they intend to practise medicine. Students desirous to take both subjects in one year must apply to the Faculty for permission.

† To be taken after 3rd Winter Session.

2nd. Students of other Universities so approved and admitted on production of certificates to a like standing in the University shall be required to pass the primary and final examinations in the same manner as Students of the Faculty of Medicine of this University. Such Students if entering at the standard of the Primary examination shall pass that examination on entrance at a special examination in October, for which a fee of two dollars for each subject will be charged.

3rd. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz.:—

*Provided, however, that Testimonials equivalent to though not precisely the same as those above stated may be presented and accepted.*

| | |
|---|---|
| ANATOMY. | Of which two courses will be required of six months' duration. |
| PRACTICAL ANATOMY. | |
| PHYSIOLOGY. | |
| CHEMISTRY. | |
| MATERIA MEDICA AND THERAPEUTICS. | |
| PRINCIPLES AND PRACTICE OF SURGERY. | |
| MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN. | |
| THEORY AND PRACTICE OF MEDICINE. | |
| CLINICAL MEDICINE. | |
| CLINICAL SURGERY. | |
| MEDICAL JURISPRUDENCE. | Of which one Course of Six Months, or two Courses of Three Months will be required. |
| PRACTICAL CHEMISTRY. | Of which One Course will be required of Three Months' duration. |
| BOTANY OR ZOOLOGY. | |
| HYGIENE. | |
| HISTOLOGY. | Ten Lectures and Twenty-Five Demonstrations. |
| GENERAL PATHOLOGY. | Twenty-five Lectures. |

4th. The Candidate must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months. He must also give proof of having acted as clinical clerk for six months in the wards of a general Hospital recognised by the Faculty.

5th. He must also give proof of having assisted at six autopsies.

6th. He must also give proof by ticket of having attended for at least six months the practice of the Montreal Maternity or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

7th. No one will be permitted to become a candidate for the final or degree examination who shall not have attended at least one Session of this University.

8th. Courses of less length than the above will only be received for the time over which they have extended.

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9th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

10th. Candidates who fail to present themselves for to pass in any of the subjects of the first two years will be granted a supplemental examination at the beginning of the following session.

11th. Supplemental examinations will not be granted except by special permission of the Faculty, and on written application stating reasons, and accompanied by a fee of $2 for each examinatious.

12th. No Candidate will be permitted to proceed with the work of the final year until he has passed all the subjects comprised in the Primary Examination.

13th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

14th. The requirements for the summer session, when as at present taken after the third winter session, shall be :—

(*a*) Daily Hospital attendance ;

(*b*) Maternity attendance ; and

(*c*) Any two weekly clinics, in addition to the clinics in General Medicine and Surgery.

15th. Every Candidate for the Degree must, on or before the first day of March, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate :—

MONTREAL,——18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise) that I shall have attained the age of twenty-one years before the next graduation day, and that I am not [or shall not be at that time] under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed,) A. B.

16th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

17th. The following Oath or Affirmation will be exacted from the Candidate before receiving his degree :—

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A——B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo ; me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum ; tum porro artem medicam caute, caste, et probe exercita-

turum ; et quoad in me est, omnia ad ægrotorum corpurum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

18th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful Candidate immediately after examination.

## § V.—EXAMINATIONS.

Weekly examinations are held, to test the progress of the Student; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows:—

### First Year.

*Pass Examination* in Botany or Zoology, Histology and Visceral Anatomy.

*Sessional Examination* in Anatomy, Chemistry and Physiology.

A due proportion of marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Second Year.

*Pass Examination* in Anatomy, Chemistry, Practical Chemistry, Physiology and Histology.

*Sessional Examination* in Pharmacology and Therapeutics.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Third Year.

*Pass Examination* in Pharmacology and Therapeutics, Medical Jurisprudence, Hygiene* and General Pathology.

### Fourth Year.

*Pass Examination* in Medicine, Surgery, Obstetrics, Gynæcology, Clinical Medicine, Clinical Surgery and Clinical Obstetrics, Clinical Gynæcology, Practical Pathology.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

* The examinations in Hygiene are held at the close of the summer session.

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## § VI.—MEDAL AND PRIZES.

1. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medallist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany and Zoology.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, books to the value of $25.00.

## § VII.—FEES.

The total collegiate fees for all Students entering on and after the 1st of October, 1890, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer sessions. Additional summer sessions may be attended on payment of the registration fee, $5.00. (For graduation fee, see § IV, clause 16, supra).

*All fees are payable in advance to the Registrar, and, except by permission of the Faculty, will not be received later than 1st November.*

*It is suggested to parents or guardians of Students that the fees be transmitted direct by cheque or P. O. Order to the Registrar, who will furnish official receipts.*

## § VIII.—TEXT-BOOKS.

(*Prices current in Montreal.*)

ANATOMY.—Gray, Wilson, Quain (Eng. ed.).

PRACTICAL ANATOMY.—Heath's Dissector, Holden's Dissector, and Landmark's Ellis' Demonstrations.

PHYSICS.—Balfour, Stewart.

INORGANIC CHEMISTRY.—Wurtz's Elementary Chemistry, Remsen's do.

ORGANIC CHEMISTRY.—Remsen.

PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.

PHARMACOLOGY and THERAPEUTICS.—Wood, Hare, Edes, Bruce.

PHYSIOLOGY.—Huxley's *Elementary Lessons*, Foster, Prof. Mills' Text-Book of Physiology and Outlines of Lectures.

PATHOLOGY.—Delafield and Prudden.

HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology.

SURGERY.—Holmes' Surgery (Eng. Ed.), Erichsen, Druitt, Bryant, Treves.

PRACTICE OF MEDICINE.—Flint, Roberts, Bristowe, DaCosta, Fagge, Osler.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Finlayson's Clinical Manual, Fenwick on Medical Diagnosis, Warner on Medical Case Taking.

MEDICAL JURISPRUDENCE.—Husband, Guy and Ferrier, Reese.

MIDWIFERY.—Lusk, Galabin.

DISEASES OF CHILDREN.—Smith, Goodhart and Starr.

GYNÆCOLOGY.—Thomas and Munde, Skeene, Thurburn, Goodell's Lessons.

HYGIENE.—Parks, Wilson (Eng. Ed.).

BOTANY.—Gray's Text-Book of Histology and Physiology.

ZOOLOGY.—Dawson's Handbook of Canadian Zoology

## § IX.—MUSEUM.

For the past fifty years the rich Pathological material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum. (See special Announcement of the Faculty of Medicine).

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It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare conditions as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also ound. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist-usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax, illus trating the normal relations of the pelvic organs, the development of the Uterus and its contents during pregnancy, various abnormalities, twin pregnancy, fœtal circulation, etc., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, etc.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition to the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently obtained :—

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals, prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts, taken from the celebrated frozen sections of Professors His and Braune of Leipzig. These preparations have been placed in the Museum, so that they can be constantly consulted by the Students.

(4) (*a*) A complete set of Steger's brain sections ;

(*b*) Set of hardened brains with the various lobes, convolutions, ganglia, etc., in different colors ;

(*c*) Models of the cerebro-spinal and sympathetic nervous systems.

## § X. LIBRARY.

The Library of the Medical Faculty now comprises upwards of thirteen thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of $5, which is refunded on returning the volumes.

The Medical Faculty have great pleasure in acknowledging the following large additions to this library.

(1) The Gadsdsen library of Comparative Medicine.

(2) The library of the late Dr. Godfrey.

(3) The library of the late Prof. Richard, L. Macdonell.

## § XI.—McGILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets once a week during the Semmer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

## § XII.—COST OF LIVING, ETC.

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from $15 to $20 per month. A list of boading houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.

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## XIII.—HOSPITALS.

The city of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which Medical students of McGill University will receive clinical instruction are:—1. The Montreal General Hospital; 2. The Royal Victoria Hospital; 3. Montreal Maternity Hospital; 4. The Montreal Dispensary. The Montreal General Hospital has for many years been the most extensive clinical field in Canada. The old buildings, proving inadequate to meet the increased demand for hospital accommodation, have this year been about doubled in size by the addition of the Campbell Memorial and Greenshields pavilions and the new surgical amphitheatre.

The Royal Victoria Hospital, at the head of University street-will be opened for the reception of patients during the coming session, and will afford exceptional opportunities for clinical instruction and practical training.

### *Montreal General Hospital.*

During the past year this hospital has been enlarged by the addition of two new Surgical Pavilions containing over 100 beds.

Attached to these wings is a large building containing a surgical amphitheatre furnished with all the modern appliances for the carrying out of aseptic methods. This amphitheatre has a seating capacity of over 300.

Besides the amphitheatre and its adjoining rooms for etherizing, for instruments and for the preparation of surgical dressings, there are on the same flat smaller operating rooms and isolation wards; the story below is chiefly set apart for laboratories for clinical chemistry, bacteriology and general pathological work.

A much larger number of in-door and out-door patients receive treatment in the Montreal General Hospital than in any other Canadian hospital. Last year's report shows that between two and three thousand medical and surgical cases were treated in the wards, and the great portion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23, 34 days.

The large number of out-door patients that are treated in the Hospital—upwards of 38,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every Student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the Out-door Department: one for diseases of children and the other for diseases of the nervous system.

Clinical Clerks in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the clinical professors, the reporting of all cases in the ward allotted him. Students entering on and after October next will be required to show a certificate of having acted for six months as clinical clerk in medicine or surgery. The holding of one of these offices is found to be of the greatest possible advantage to the student as affording a true *practical* training for his future professional life. They will be awarded on

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application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Out-door Department. For these appointments, application is to be made to the Assistant Surgeons or to the Resident Surgeon in charge of the out-patients' department.

Sessional Tickets entitling Students to admission to the Hospital must be taken out at the commencement of each session; price $8. Perpetual tickets, if taken out at the beginning of the first session of the Hospital attendance, will cost $20, if otherwise, *i.e.*, if not paid for until a later date, $24 will be charged.

### *The Royal Victoria Hospital.*

This Hospital is situated a short distance above the University grounds, on the side of the mountain, and overlooks the city. It was founded in July, 1887, by the munificence of Lord Mount-Stephen and Sir Donald Smith, who gave half a million dollars each for this purpose.

The buildings, which are nearing completion, were designed by Mr. Saxon Snell of London, England, to accommodate 250 patients.

The Hospital is composed of three massive buildings connected together by stone bridges, an administration block in the centre, a wing on the east side for medical patients, and a wing on the west side for surgical patien ts.

The administration block contains ample accommodation for the resident medical staff, the nursing staff and domestics. The patients' entrance, the dispensary and admission rooms are also situated in this building.

The Medical wing contains three large wards each 123 feet long by 26 feet 6 inches wide, one ward 40 feet by 26 feet 6 inches, and twenty-one private and isolation wards averaging 16 feet by 12 feet, also a Medical Theatre with a seating capacity for 250, and rooms adjacent to it for Clinical Chemistry and other purposes.

The Surgical wing contains three large wards each 122 feet long by 26 feet 6 inches wide, four wards each 40 feet by 32 feet, and sixteen private and isolation wards averaging 16 feet by 12 feet; also a Surgical Theatre with a seating capacity for 250, with six accessory rooms adjacent for preparation and after-recovery purposes.

Arrangements for the reception of Students and regulations as to Hospital fees, etc., will probably be announced next session.

### *Montreal Dispensary.*

ST ANTOINE STREET.

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session and from 4 to 6 p.m. during the summer session.

### *The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. An improved Tarnier-Budin phantom is provided for the use of the Students, and every facility afforded for acquiring a practical knowledge of the various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. Clinical midwifery has been placed upon the same basis as Clinical Medicine and Surgery, and a final Clinical examination instituted. Regular courses of Clinical Lectures are given throughout the summer and winter sessions. Students will find it very much to their advantage to pay special attention to their Clinical work during the Summer Session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to Students who contemplate presenting themselves for

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British qualifications. Two resident accoucheurs are appointed yearly from the graduating class, to hold office for a period of six months each. By an arrangement with the authorities of the Montreal General Hospital one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

Fee for twelve months, $12.00.

## § XIV.—STUDENT'S APPOINTMENTS.

General Hospital—Five Resident Medical Officers.
Clinical Clerk, Gynæcology.
" " Laryngology.
" " Diseases of Children.
" " Dermatology.
" " Diseases of Nervous System.
University Maternity—Two Resident Medical Officers.
Out-door Dressers.
Dressers in Eye and Ear Department.
Surgical Dressers (in-door).
Medical Clinical Clerks.
Post-morten Clerks.
Student Demonstrators of Anatomy, 4 third-year Students.
Prosectors to Chair of Anatomy, 2.
Assistants in Practical Histology Course, 2.
Assistants in Practical Physiology Course, 4.
Assistants in Practical Chemistry, 4.

## § XV.—RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

When Students are brought before the Faculty under the above rules, the Faculty may reprimand, inpose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

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# Medical Work

## TIME TABLE—FIRST AND SECOND YEARS, 1892-93.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Anatomy Examination. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Physiology, 2nd Year. |
| 10 | * Practical Chemistry, 2nd Year, till 12 o'clock. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Practical Chemistry, Practical Physiology, Histology Demonstration. |
| 11 | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Out-Patients, Montreal Gen'l. Hospital. |
| P.M. 2 | Physiology Examination, 2nd Year. | Physiology, 2nd Year. | Physiology, 2nd Year. | Physiology, 1st Year. | Physiology, 1st and 2nd Years. | |
| 3 | Chemistry Examination. | Chemistry. | Chemistry. | Chemistry. | Chemistry. | |
| 4 | Materia Medica, Examination. Physiology, 1st Year. | Materia Medica, Physiology, 1st Year. | Therapeutics, Physiology, 1st Year. | Materia Medica, | Materia Medica, Histology Lectures, 1st Year. | |
| 4 to 6 | | Practical Histology. | | Practical Histology. | | |
| A.M. 10to12 | Practical Anatomy. | Practical Anatomy | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. |

N.B.—The Demonstrator's Hours in the Dissecting Room from 10–12 a.m., and from 8–10 p.m. * Until Christmas only.

# TIME TABLE—THIRD AND FOURTH YEARS, 1892–93.

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Midwifery. | Midwifery. | Gynæcology. | Midwifery. | Gynæcology. | |
| 10 | Jurisprudence. | Pathology. | Jurisprudence | | Jurisprudence. | |
| A.M. 11.15 | Medical Clinic, 4th Year. | Medical Clinic, 3rd Year. | Medical Clinic, 3rd and 4th Years. | Clinical Therapeutics. | Medical Clinic, 4th Year. | Medical Clinic, 3rd Year. |
| 1 | Surgical Clinic, (3) | Surgical Clinic, (4) | | Surgical Clinic, (4) | Surgical Clinic, (3) | Surgical Clinic, (4) |
| 2 | | | | | | |
| 3 | Materia Medica. | Materia Medica. | Therapeutics, | Ophthalmic Clinic. † | Materia Medica. | |
| 4 | Medicine. | Medicine. | Medicine. | Medicine. | Medicine. | |
| 5 | Surgery. | Midwifery 3rd year. | Surgery. | Surgery. | Surgery. | |

Autopsies are performed at the General Hospital between 12 a. m. and 2 p.m. † 4th year.

# Faculty of Law.

Principal Sir WILLIAM DAWSON, LL.D. (Ex-Officio).
N. W. TRENHOLME, Q.C., M.A., D.C.L., Dean, and GALE Professor of Roman and International Law.
Honourable Mr. JUSTICE WURTELE, D.C.L., Professor of the Law of Real Estate.
J. S. ARCHIBALD, Q.C., D.C.L., Professor of Commercial Law.
L. H. DAVIDSON, Q.C., M.A., D.C.L., Professor of Commercial Law.
CHRISTOPHE A. GEOFFRION, Q.C., D.C.L., Professor of the Law of Contracts.
ARCHIBALD MCGOUN, M.A., B.C.L., Professor of Legal Bibliography.
THOMAS FORTIN, LL.L., B.C.L., Professor of Civil Procedure and Municipal Law.
W. DEM. MARLER, B.A., B.C.L., Professor of Notarial Law.
Honourable C. J. DOHERTY, B.C.L., Professor of Civil Law.
HARRY ABBOTT, Q.C., B.C.L., Professor of Commercial Law.
EUGÈNE LAFLEUR, B.A., B.C.L., Professor of Civil Law.

Dean of Faculty.—Professor TRENHOLME.

Secretary and Librarian of the Faculty.—Professor MCGOUN.

Corporation Examiners for Degrees.—Professors TRENHOLME and FORTIN.

Matriculation Examiners of the Faculty.—Professors ARCHIBALD and LAFLEUR.

The Faculty of Law feels much satisfaction in being able to announce that the important step, so long and earnestly desired by all friends of the University, of placing the McGill School of Law on such a substantial and permanent basis as to enable it efficiently to perform its part in the great work of legal education in Canada, has been accomplished by the munificent endowment presented to the University by Mr. William C. McDonald. This endowment places the Faculty in a position to offer to those who desire to study the Law, either with a view to its practice as a profession or as a means of culture, or as a qualification for the discharge of the higher duties of citizenship, a comprehensive and complete course of legal study, with the use of library, reading room and other aids which have not heretofore been at the command of the Faculty. The course of study to be pursued, extending over a period of three years, and the instruction to be imparted, while designed so far as possible to qualify professional Students for the practice of their profession,

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will also fully recognize the important fact, which, no doubt, was a main inducement for the action of the Faculty's generous benefactor, that upon the character of the Bar depends that of the Bench and of the administration of justice, and to a great extent also the character of the public men and public life of the country; that, in fact, from the ranks of no other profession are so many called to fill high positions of trust and to perform duties, the efficient and upright discharge of which is of vital importance to the community.

In re-organizing the Faculty, under the W. C. McDonald endowment, a number of well-known names have been added to the staff, as shown above, and the courses largely specialized. It was felt that while professional men, engaged in the active practice of their profession, might be relied upon to deliver regularly a limited number of lectures, on special subjects, they could not be expected to undertake to submit to the serious interference with their business and inevitable interruptions involved in very lengthy courses. And to obviate the difficulties and drawbacks necessarily arising from sole dependence, as heretofore, on professional men in active practice, for attending to the interests and maintaining the efficiency of the Faculty, and to meet a deeply-felt want in this respect, the Dean has been appointed as a salaried officer, whose duty it will be primarily to devote his whole time to the work.

Further, the Professor of Legal Bibliography has been appointed secretary and librarian, and will have supervision of the Library,—comprising at present the law libraries of the late Mr. Griffin, Q.C., of the late Chancellor Day, and of part of the library of the late Mr. Justice McKay, all of which were bequeathed to the University; and also of the law library of the late Mr. Justice Torrance, now the property of the Fraser Institute, of which he was a trustee—the use of which has been generously granted to the Faculty by the present trustees. The above law books will of themselves afford to the law student a library which will generally prove sufficient for his wants. and which will be kept up and added to by the expenditure of a sum annually in the purchase of books. There will also be provided in connection therewith a reading room, in which the leading law magazines and literature of the day will be found.

As a place for the study of Law by professional Students, Montreal affords undoubted advantages, among other reasons, on account

of the great variety and extent of the legal business done there, the constant sitting of all the principal courts of the Province, and the large number of first-class law offices open to Students; while for all students, and especially for students of historic and philosophic jurisprudence, no more interesting or attractive legal system exists than that prevailing in this Province, where may be daily seen and studied, not simply theoretically, but in active operation as parts of our law, the three famous systems of jurisprudence,—Roman, French and English,—with additions and modifications introduced by our own legislatures and courts. The imposing features of the Roman Law may be recognized throughout the greater portion of our Civil Code, often combined with or incorporated into that noble system elaborated and perfected by Pothier and other great French jurists, both of the ancient and modern epochs, which is the direct source of most of our Civil Law; while nearly the whole body of English Criminal and Constitutional Law and large portions of English Commercial Law are equally parts of the law of this Province.

The importance of the Notarial profession, and of a knowledge of notarial practice and conveyancing, has led to the appointment as a full member of the faculty of a Professor of Notarial Law, whose course of lectures will be attended by all professional Students.

With a view to extending as far as possible the usefulness of the Faculty, the courses of lectures on commercial subjects have been so arranged, that young men engaged in banks or other business houses can attend them without interference with their regular duties. Students of other departments of the University, and, in fact, all who may desire to do so, may attend such particular courses as they may see fit to select. It is hoped that the courses delivered will be found beneficial to all students, indeed to all who may desire to know something of the constitution and laws by which they are governed, and of a science which has been characterized by Burke as "the collected reason of ages, combining the principles of original justice with the infinite variety of human concerns."

While the Faculty accepts for matriculation the requirements stated in the Regulations below, it nevertheless strongly recommends Students intending to study law to take the B. A. course in the Faculty of Arts as a preliminary qualification; and if that be not attainable, as much as possible of the Arts course.

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## Lectures and Examinations.

The classes in Law will begin in the Faculty Rooms, Fraser Institute, on Monday, the 5th September, 1892.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on Friday, 2nd September, at 4 p.m.

The lectures will be delivered in the Faculty Rooms in two terms: the first beginning on Monday, 5th September, 1892, and the second beginning on Monday, 2nd January, 1893.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the session, and as announced below, unless otherwise determined by the Faculty.

The complete course of study in this Faculty extends over three years. Attendance at lectures is required of all students proceeding to the degree of B.C.L.

## Scholarships and Prizes.

Two scholarships, each of one hundred dollars, are offered for competition to Students whose domicile is not in Montreal or vicinity. They will be awarded, after the Sessional Examinations in April, 1893, upon the results of the Examinations of the first year, and will be payable during the second year.

Prizes open to competition by all the Students will also be given to the Students taking the best standing in each year.

No scholarship or prize shall, however, be awarded to any Student unless a sufficiently high standing, in the estimation of the Faculty, be attained, to merit it.

## Classification of Students.

Matriculated Students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation for attendance on any particular series of Lectures.

Students who have completed their course of three years, and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

## COURSE OF STUDY FOR 1892-93.

*Roman Law* :

1st Year.
History of Roman Law ..... } THE DEAN.
Maine, Ancient Law .....
Institutes of Justinian .....
Gaius, Commentaries .....

2nd and 3rd Years.
Institutes of Justinian .....
Gaius, Commentaries .....
Maine, Ancient Law .....

*Criminal Law* ..... } THE DEAN.
*Constitutional Law* .....

*Law of Real Estate* :

History and nature of various kinds of tenure of real property in the Province, and their incidents ..... } Professor WURTELE.

*Commercial Law* :

Evidence ..... Professor ARCHIBALD.

*Commercial Law* :

Merchant Shipping ..... Professor DAVIDSON.

*Law of Contracts* ..... Professor GEOFFRION.

*Legal Bibliography and History* :

Sources of our Law : Relation of our Civil Law to the Modern French Law. Branches of our law based on English Law. Classification of authors, French and English ..... } Professor McGOUN.

*Civil Procedure* :

Jurisdiction of the civil courts ..... } Professor FORTIN.
General Rules of Pleading .....
Code of Procedure .....

*Notarial Law* :

Notarial Practice and Conveyancing ..... Professor MARLER.

*Civil Law* :

Lease and Hire ..... Professor DOHERTY.

*Commercial Law* :

Law of Carriers ..... Professor ABBOTT.

*Civil Law* :

Privileges and Hypothecs ..... Professor LAFLEUR.

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## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Secretary, Prof. McGoun, 181 St. James St., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. The degree of B.A. obtained from any Canadian or other British University; or a certificate of having passed the examination before the Bar for admission to study Law in the Province of Quebec; or the intermediate Examination in the Faculty of Arts in McGill University, shall be accepted in lieu of Examination for Matriculation in this Faculty. For other candidates the Matriculation Examination this year will be in the following subjects :—

*Latin.*—Virgil, Æneid, Book I.; Cicero, Orations I. and II. against Catiline. Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires;" *Molière, "Le Bourgeois Gentilhomme;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic; Algebra to the end of Simple Equations; Euclid, Books I., II., III.

*Philosophy.*—*Whately's Logic; †Logique de Port Royal; †Cousin, Histoire de la Philosophie; *Stewart's Outline of Moral Philosophy.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended collegiate courses of legal study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct :

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted, and the said class-book shall be submitted to the Faculty at each monthly meeting; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each Student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

(4) Any Student injuring the furniture or building will be required to repair the same at his own expenses, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the end of April following.

The lectures will be delivered between the hours of half-past eight and half-past nine in the morning and four and half-past six in the afternoon; and special lectures in the evening; the whole at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the Students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

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After the examinations at the close of the second term, the Faculty shall decide the general standing of the Students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such Students and those of the Students regularly attending Lectures. No Student shall pass the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been approved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Secretary of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to compete, shall take the highest marks in a special Examination for the Medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :—

Ego A.B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in the Faculty are as follows :—

| | |
|---|---|
| Registration Fee | $ 5 00 |
| Sessional Fee by Ordinary Students | 36 00 |
| Graduation Fee, including registration as voter in election of Fellows | 12 50 |
| Fee for supplemental examination | 5 00 |
| Sessional Fee by Occasional or Partial Students, for each course | 3 00 |
| For Occasional or Partial Students who are students in other departments of the University or affiliated Colleges, taking two or more courses, a single fee of | 5 00 |

Matriculation and Sessional Fees must be paid on or before Nov. 1st; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than $3. Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. Occasional or Partial Students may be admitted into any class on such terms as shall be arranged by the Faculty.

17. The requirements and conditions for obtaining the Degree of D.C.L. in course can be ascertained upon application to the Secretary of the Faculty.

## SYLLABUS.

Friday, 2nd September, 1892. Matriculation and Supplemental Examinations.
Monday, 5th. Ordinary Lectures begin.
Saturday, 10th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examination for admission to study or to practise Law in the Province of Quebec.
Monday, 2nd January, 1893. Lectures, Second Term, begin.
Wednesday, 11th January, 1893. Bar Examinations take place at Montreal.
Tuesday, 27th Feb. Theses for Degree of B.C.L.
Monday, 23rd April. Declaration of results of Examination.
Friday, 27th April. Convocation for Degrees in Law.
Monday, 4th June. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the July Examination for admission to study or to practise Law in the Province of Quebec.
Wednesday, 5th July, 1893. Bar Examinations take place at Quebec.

## EXAMINATIONS.

The dates of Examinations, subject to be changed if need be, by the Faculty.

*Before Christmas* :—

Friday, 2nd September, 1892, 4 to 6 p.m. Matriculation and Supplemental Examinations—Faculty Rooms, Fraser Institute.
Saturday, 26th November, 1892, 3 to 5 p.m. On Preliminary Course on Obligations—The Dean.
Tuesday, 13th December, 1892, 4 to 6 p.m. On Legal History and Bibliography—Prof. McGoun.
Wednesday, 14th December, 1892, 4 to 6 p.m. On Civil Procedure—Prof. Fortin.
Thursday, 15th December, 1892, 4 to 6 p.m. On Roman Law—The Dean.
Friday, 16th December, 1892, 4 to 6 p.m. On Contracts—Prof. Geoffrion.
Saturday, 17th December, 1892, 3 to 5 p.m. On Merchant Shipping—Prof. Davidson.

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*After Christmas :—*

Saturday, 11th February, 1893, 3 to 5 p.m. Real Estate—Prof. Wurtele.
Saturday, 25th February, 1893, 3 to 5 p.m. Criminal Law—The Dean.
Saturday, 18th March, 1893, 3 to 5 p.m. On Civil Law (Privileges and Hypothecs)—Prof. Lafleur.
Tuesday, 18th April, 1893, 4 to 6 p.m. On Constitutional Law—The Dean.
Wednesday, 19th April, 1893, 4 to 6 p.m. On Civil Law (Lease & Hire)—Prof. Doherty.
Thursday, 20th April, 1893, 4 to 6 p.m. On Commercial Law (Evidence)—Prof. Archibald.
Friday, 21st April, 1893, 4 to 6 p.m. On Law of Carriers—Prof. Abbott.
Saturday, 22nd April, 1893, 3 to 5 p.m. On Notarial Law—Prof. Marler.

## MEETINGS OF FACULTY.

In the Faculty Rooms, Fraser Institute, at 3 P.M.

Friday 2nd, Monday 5th September, 1892.
Monday 3rd October 1892
" 7th November "
" 12th December "
" 9th January, 1893
" 6th February "
" 6th March "
" 10th April "
" 24th " "
" 5th June "

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### ERQUIREMENTS FOR THE DEGREE OF DOCTOR OF CIVIL LAW.

Every Candidate for the Degree of D.C.L. in Course must be a Bachelor of Civil Law of twelve years' standing, and must pass such examination for the Degree of D.C.L. as shall be prescribed by the Faculty of Luw. He shall also, at least two months before proceeding to the Degree, deliver to the Faculty twenty-five printed copies of a Thesis or Treatise of his own composition on some subject selected or approved by the Faculty, such Thesis to contain not less than fifty octavo pages of printed matter, and to possess such degree of merit as shall in the opinion of the Faculty justify them in recommending him for the degree.

The Candidate shall also pay to the Secretary of the Faculty, annually during the period of twelve years, for the retention of his name on the books of the Faculty, a fee of two dollars, to form part of the Library Fund of the Faculty. Upon cause shown, however, and with the consent of the Faculty, such fees may be paid at one time before the granting of the degree.

The subjects and authors required and the times of examinations may be ascertained on application to the Secretary of the Faculty.

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## FACULTY OF LAW—TIME TABLE, 1892-93.

I. MONDAY, 5th September, to FRIDAY, 30th Sept., 4 weeks.

| HOURS. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | |
| 4 to 5 p.m. | Prof Fortin. | Prof. Fortin. | Prof. Fortin. | Prof. Fortin. | Prof. Fortin. |
| 5 to 6 p.m. | The Dean. | The Dean. | The Dean. | The Dean. | The Dean. |

II. MONDAY, 3rd October, to FRIDAY, 4th November, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | |
| 4 to 5 p.m. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. |
| 5 to 6 p.m. | Prof. Archibald. | Prof. Geoffrion. | Prof. Archibald. | Prof. Geoffrion. | Prof. Archibald. |

III. MONDAY, 7th November, to FRIDAY, 9th December, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 4 to 5 p.m. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. |
| 5 to 6 p.m. | Prof. McGoun. | Prof. Archibald. | Prof. McGoun. | Prof. Archibald. | The Dean. |

IV. MONDAY, 2nd January, to FRIDAY, 3rd February, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | | The Dean. | | The Dean. |
| 5 to 6 p.m. | Prof. Lafleur. | Prof. Wurtele. | Prof. Lafleur. | Prof. Wurtele. | Prof. Lafleur. |

V. MONDAY, 6th February, to FRIDAY, 9th March, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | Prof. Davidson. | The Dean. | Prof. Davidson. | The Dean. |
| 5 to 6 p.m. | Prof. Abbott. | Prof. Lafleur. | Prof. Abbott. | Prof. Lafleur. | Prof. Abbott. |

VI. MONDAY, 12th March, to FRIDAY, 13th April, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | Prof. Davidson. | The Dean. | Prof. Davidson. | The Dean | Prof. Davidson. |
| 5 to 6 p.m. | Prof. Marler. | Prof. Abbott. | Prof. Marler. | Prof. Abbott. | The Dean. |

# APPENDIX.

The attention of intending Students is called to the following provisions of the Revised Statutes of Quebec, and amendments, as bearing on the requirements for the study and practice of Law in the Province :—

ARTICLE 3544 R. S. Q.—Examinations for admission to study and to practise law in the Province of Quebec are held at the time and place determined by the General Council.

The places and dates as at present fixed are

**MONTREAL, - Wednesday, 11th Jan., 1893,**
**QUEBEC, - - Wednesday, 5th July, 1893,**

and alternately at Montreal and Quebec every six months, namely—at Montreal on the second Wednesday of each January, and at Quebec on the first Wednesday of each July.

All information concerning these examinations can be obtained from the General Secretary's Office. The present General Secretary is W. C. Languedoc, Esq., Quebec.

ARTICLE 3546.—Candidates must give notice as prescribed by this Article at least one month before the time fixed for the examination, to the Secretary of the Section in which he resides, or in which he has resided for the last six months.

The present Secretary of the Montreal Section is Mr. Charles Lanctot, 1608 Notre Dame street, Montreal.

ARTICLE 3503a.—Added by Statute of Quebec, 53 Victoria (1890), Cap. 45, provides that Candidates holding the diploma of Bachelor of Arts, Bachelier-es-Lettres, or Bachelier-es-Science from a Canadian or other British University, is dispensed from the examination for admission to study. Such Candidates are however recommended to give the notice required as above.

ARTICLE 3548 R. S. Q. (as altered by by-law of the General Council).—On giving the notice prescribed by Article 3546, the Candidate pays to the Secretary a fee of $2.00, and makes a deposit of $30.00, for admission to study, or of $70.00 for admission to practice, which deposit, less $10.00, is returned in case of his not being admitted.

ARTICLE 3552.—To be admitted to practice, the Student must be a British subject, and must have studied regularly and without interruption during ordinary office hours, under indentures before a Notary, as Clerk or Student, with a practising Advocate, during Five Years, *dating from the registration of the certificate of admission to study*. This term is reduced to Four years in this case of student who has followed a regular law course in a University or College in this Province, and taken a degree in law therein.

# Faculty of Comparative Medicine and Veterinary Science.

THE PRINCIPAL (Ex-officio).

*Professors :*

MCEACHRAN (D.)., BAKER, MCEACHRAN (C.).

*Associate Professors :*

GIRDWOOD, MILLS,
WILKINS, BLACKADER.
PENHALLOW,

Dean of the Faculty :—D. MCEACHRAN, D.V.S.
Secretary :—C. MCEACHRAN, D.V.S.

The Fourth Session of the Faculty (being the twenty-seventh of the Montreal Veterinary College) will be opened on Tuesday, the 4th October, 1892, by an introductory lecture, at 8 p.m., in the lecture-room of the Faculty, No. 6 Union Avenue. The regular course of lectures will begin on Wednesday, 5th October, at the hours named in the time-table, and will continue till the end of March.

The Montreal Veterinary College was inaugurated in 1866. A course of lectures on Veterinary Science was delivered during the winter, in connection with the Medical Faculty, in a lecture-room on Cotté street. The suggestion, being made by the late Major Campbell, who was president of the Board of Agriculture, was warmly supported by the late Dean, Dr. George Campbell, the Principal, Sir William Dawson, and the Professors of the Institutes of Medicine, Chemistry and Botany, who became directly interested in the progress of the school.

In 1875 the growth of the school was such as to necessitate a special establishment, and the present buildings were erected at the expense of the Principal, D. McEachran, F.R.C.V.S.

During the past year considerable improvements have been made.

The complete course of study in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to

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present themseves for examination after regular attendance on one full course; graduates of recognized Agricultural Colleges, where Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to Students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and Students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

Graduates of recognized Veterinary Colleges, desirous of taking the degree, may do so by attendance on the final subjects for one full session, but will be required to pass the examinations on all the subjects embraced in the curriculum, botany excepted.

Occasional and Agricultural Students will be received without matriculation for attendance on any particular series of lectures. Such Students will not be examined, nor will they be entitled to receive class certificates, except as Occasional Students, nor will such attendance be accepted, should the Student subsequently wish to become a regular Student of the Faculty.

## MATRICULATION.

Every Student, previous to his admission, must produce a certificate of educational acquirements satisfactory to the Faculty, or submit himself to an examination in writing, reading aloud, dictation, arithmetic (including vulgar fractions), English grammar (as a text-book, Miller's Swinton's Language Lessons). It will be seen that this examination is far from severe; yet it affords a certain guarantee that illiterate men will not be admitted.

A. N. Shewan, M.A., will hold the matriculation examination on Wednesday, 30th September, at 9 o'clock, at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination. Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates of any Faculty in a recognized University or Agricultural College are not required to matriculate.

No College is recognized unless its Students are required to matriculate.

## REGISTRATION AND PAYMENT OF FEES.

The following are the College regulations:—

All Students desirous of attending the classes shall, at the commencement of each session, enrol their names and residences in the register of the Faculty, and procure from the Registrar a ticket of registration, for which each Student shall pay a fee of $5.

The said register shall be closed on the last day of October in each year. The fees are payable to the Registrar, and all class tickets will be issued by him and must be paid in advance (except under special circumstances) at the time of registration.

All Students must register, including those who receive free bursaries.

Fees for the whole course are $180, which may be paid in three annual payments of $60 each, which, in all cases, must be paid on entering. Matriculation fee, $5, which is to be paid prior to the examination; $5 for registration, and $5 for re-registration, payable at the beginning of each of the following two Sessions, and $20 on receiving the diploma. Students who are allowed time for previous study will be required to pay full fees. Payments must be made in all cases as above.

## STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture has the privilege of sending thirteen pupils, free of expense, to the whole course; such students must, however, pay a fee of five dollars for the course in Botany and five dollars annually for registration. These Bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the Faculty, in handwriting of applicant, accompanied by a recommendation from the Agricultural Society of the district in which they reside, provided the Council considers them qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, Bursars will be required to give a guarantee that they will attend three Sessions; and failing to do so, they shall be required to pay the fees for the Sessions which they have attended.

## GENERAL REGULATIONS.

Students of this Faculty will be graded as of the First, the Second, and the Final Years.

In each year Students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such, and shall obtain a ticket or tickets for the class or classes they desire to attend.

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All Students shall be subject to the following regulations as regards attendance and conduct :—

A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted ; and the said class book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations ; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendanee to entitle them to proceed to the examination in the respective classes.

Punctual attendance on all classes proper to his year is required of each Student. Absence or tardiness without sufficient excuse, or inattention or disorder in the class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student, or report to the Faculty, as he may decide. While in the building, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the class-rooms. Any Professor observing improper conduct in the class-rooms or elsewhere in the building will admonish the Student, and, if necessary, report him to the Dean.

When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 30th March following.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors and such other examiners as may be appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The Students have all the privileges of the McGill Medical Faculty's Laboratories, which are thus described in their annual calendar :—

## PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains, amongst other valuable instruments : kymographs, various manometers, etc., for demonstrating blood pressure ; myographs, rheocords, moist

chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The Laboratory is arranged in such a way as to permit of Students assisting at, and taking part in, these demonstrations. During the past session important additions of apparatus have been made to the Physiological Laboratory.

## CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty, and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on this course, has a numbered table in the Laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

The Laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, etc., giving to the Student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

## PATHOLOGICAL LABORATORY.

In the Pathological Laboratory, accommodation will be provided for Students or practitioners who desire to carry on advanced study or private pathological research, upon their obtaining permission from the Faculty.

The Laboratory has been entirely rebuilt during the past session, and is well stocked with the usual apparatus for pathological and bacteriological work.

The demonstrations in Morbid Anatomy will be given in a small laboratory, specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

## HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well-lighted room. It is so arranged that over eighty Students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well known makers, Zeiss, Hartnack and Leitz. From the large number of microscopes employed, Students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subjects of demonstration

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### PRACTICAL MICROSCOPY.

This is an entirely optional course, in charge of Prof. Wilkins. It is intended especially for teaching the technique of Microscopy. Students will be shown how to examine blood, etc., fresh specimens and morbid products, also to cut, stain, and mount specimens. For this purpose they will have furnished them both normal and diseased structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and everything except cover-glasses and cabinet cases provided. Fee $8.

## COURSES OF LECTURES.

### BOTANY.

D. P. PENHALLOW.

The purpose of this course is to give Students a good grounding in the principles of General Morphology, to advance their knowledge of the Comparative Physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation. It comprises :—

1. A course of lectures on General Morphology and Classification, Histology and Physiology. The lectures are illustrated by means of the microscope, and by the models and large collections in the Peter Redpath Museum.

2. Practical work in the determination and classification of Species, for which the Botanic Garden of the University offers special facilities.

3. Studies in Canadian Botany. This work is prosecuted by means of field-excursions, which are held as often as opportunity is afforded during the autumn months

4. A special collection of medicinal plants, now being formed at the Gardens, offers a valuable preparation in the course of Pharmacology.

### ZOOLOGY.*

SIR WILLIAM DAWSON.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It affords suitable preparation for collecting in any department of Canadian Zoology or Palæontology, and as an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

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* Students may take either Botany or Zoology, but must intimate at the beginning of the session their choice, and adhere to this, except by special permission of the Faculty.

## CHEMISTRY.

GILBERT P. GIRDWOOD, M.D.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Medicine. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration, abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the Class, to repeat experiments performed during the course, under the superintendence of the Professor or his Assistant.

## PHYSIOLOGY.

WESLEY MILLS, M.D.

The purpose of this course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly, a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

Laboratory work for Senior Students:—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food-stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc.

## HISTOLOGY.

GEO. WILKINS, M.D.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## COMPARATIVE PATHOLOGY.

Besides lectures and demonstrations in General Pathology and Morbid Anatomy, the Students will perform autopsies under the direction of the teacher. The experimental study of contagious and parasitic diseases will receive special attention.

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## MEDICINE AND SURGERY.

D. McEACHRAN, F.R.C.V.S.

This course is intended for Students of the second and third years only.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature, causes, symptoms, and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and yard practice of the College, as well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practices of Surgery, and will be illustrated by a large collection of surgical appliances, about to be added to the College material for the illustration of lectures.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes.

Special lectures will be given on Sanitary Science, Quarantine, inspection of meat and milk, and also on the examination of horses for soundness.

## ANATOMY.

M. C. BAKER, D.V.S.

In this course the Anatomy of the horse is the subject of special study; while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of classic anatomical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most complete collection of diagrams, including Marshall's complete set, Mons. Achille Comte's Anatomical and Zoological series, also a large collection of drawings, specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawksett, Montreal.

The Dissecting Room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct Students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords Students all that can be reasonably desired. Students are required to pay for material necessary for practical dissection. Before a Student can be allowed to present himself for his pass examinations, he must produce tickets certified by the Demonstrator that he has dissected two entire subjects, that is, one each session.

## MATERIA MEDICA.

ALEX. D. BLACKADER, B.A., M.D.

This course comprises :—

A description of the Pharmacology and Therapeutics of the more important medicinal agents, as well as a special course on the properties, preparation,

physiological and therapeutic actions of all the medicines used in Veterinary practice.

Students are also required to do practical work, in compoun ding and administering medicines in the pharmacy and hospital.

## CATTLE PATHOLOGY AND OBSTETRICS.

C. McEachran, D.V.S.

A special course on Cattle Diseases and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plagues; their nature, symptoms, pathological anatomy, prophylactic and therapeutic treatment; breeding and general management of breeding animals; diseases incident to gestation and parturition, etc.

## SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special course on Dogs, which will include:—

(1) Lectures on the psychic and physic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.

(2) The principles of training; the feeding and general management of dogs.

(3) The principles of breeding; the management of brood bitches and the rearing of puppies.

(4) Bench show management and the public judging of dogs.

(5) The rights and duties of dog owners.

In all the above courses the clinical and pathological aspects of the subjects will be considered, as well as the normal.

## SPECIAL COURSE ON STOCK-BREEDING.

Professor D. McEachran will during the session deliver a special course of lectures on the Breeds of Horses, Cattle, Sheep and Swine, embracing their breeding and management on farms and on the prairies. This course will also embrace inspection aud transportation of animals by railroad and steamer, subjects of general information of great value to Practitioners of Comparative Medicine.

The above special courses are free to all Students.

## THE MUSEUM

contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the Students have frequent opportunities of

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referring. There has been recently added a large and valuable private Museum, presented to the Faculty by J. W. Gadsden, M.R.C.V.S., of Philadelphia, Penna., U.S.

## THE PHARMACY.

All the medicines used in the practice of the College are compounded by the Students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this means they become familiar with the physical properties, compatibilities, doses and uses of the medicines, and become expert in administering them to the different patients brought for treatment.

## THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the city and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the numbers of cattle kept in the city, and the valuable thoroughbred herds in the neighborhood, advanced Students are enabled to see and do considerable cattle practice. The dog practice is the largest in Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior Students will be appointed to act alternately as dressers in the Hospital, and First and Second Year men must assist in administering medicines and at operations.

## FREE CLINICS.

To afford the Students still more extensive opportunities of clinical observation, an hour a day will be given to free clinics for animals belonging to the poor, which will be duly advertised.

### TEXT-BOOKS.*

The following text-books are recommended :—

*Anatomy.*—Chauveau's Comparative Anatomy; Strangeway's Veterinary Anatomy; McFadeyan's Veterinary Anatomy.

*Physiology.*—Huxley's Elementary Lessons; Prof. Mills' Text-Book of Animal Physiology ; Outlines of Lectures, by the same author.

*Histology.*—Klein's Elements; Schæfer's Essentials of Histology.

*Botany.*—Gray's Structural Botany; Bessey's Botany.

*Zoology.*—Dawson's Handbook of Canadian Zoology.

*Chemistry.*—Millar ; Wurtz's Elementary Chemistry ; Armstrong.

*Students are advised not to buy text-books extensively till after consultation with the Professor who teaches the subject.

*Medicine and Surgery.*—Williams' Principles and Practice of Veterinary Medicine; Fleming's Sanitary Science and Police; Fleming's Surgery.

*Materia Medica.*—Dun's Veterinary Medicines; Walley's Veterinary Conspectus; Tuson's Pharmacy.

*Cattle Diseases.*—Steel's Bovine Pathology; Clatter's Cattle Doctor (Armitage); Fleming's Veterinary Obstetrics.

*Canine Diseases.*—Woodroof-Hill; Mills.

*Entozoa.*—Cobbold's Entozoa of Domestic Animals.

*Pathology.*—Delafield and Prudden's Pathology and Morbid Anatomy.

## BOARD AND TRAVELLING EXPENSES.

Board can be obtained at from $15 to $20 per month.

By the kindness of the Railway Companies, certified Students of the College will be granted return tickets from Montreal to any part of their lines, at greatly reduced rates, the said tickets to hold good from the close of one session to the beginning of the next.

Return tickets will also be granted for the Christmas vacation.

## VETERINARY MEDICAL ASSOCIATION.

This Association is for the mutual improvement of its members.

The members are Graduates and Students of comparative medicine, also Graduates and Students of Human Medicine.

The meetings are held fortnightly, at which papers are read and discussed, cases reported, etc.

The advantages which Students derive from these meetings are very great. Not only do they hear carefully prepared papers on subjects of professional importance, but an opportunity is afforded for practising public speaking, which in after-life is often extremely useful. The fees of the Association are expended in the purchase of books for the Library and the prizes awarded for papers read.

The Library is owned by the Association, and is under the control of officers who are elected annually. It contains nearly 600 volumes, embracing works of great antiquity as well as the modern works on Veterinary Science and collateral subjects in both the English and French languages, all of which are available for consultation and study by members.

Every Student is expected to become a member. The entrance fee is $5, and the yearly subscription $2.50.

## ASSOCIATION FOR THE STUDY OF COMPARATIVE PSYCHOLOGY.

This Society is similar in constitution to the Veterinary Medical Association.

Its object is the study of the Psychic Phenomena (intelligence, etc.) of all classes of animals and the diffusion of sounder views on this subject.

Naturally, it is of great importance in the practice of medicine upon dumb animals, as well as of peculiar scientific interest.

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## QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects :—

| | |
|---|---|
| Either Botany or Zoology, Histology, | One course of six months, 1st year. |
| Chemistry, Physiology, Anatomy, | Two courses of six months, 1st and 2nd years. |
| Cattle Diseases and Obstetrics, Practice of Medicine and Surgery, Materia Medica, | Two courses, 2nd and 3rd year. |

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum.

Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Faculty, and on written application, stating reasons.

Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, Candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required ; the clinical reports to include diagnosis, prognosis and treatment.

The following oath or affirmation will be exacted from the Candidate before receiving the degree :—

### DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

I,————, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

## EXAMINATIONS.

First Year.—Pass Examination in Botany or Zoology, and Histology, and sessional examinations on other subjects in the course of the year.

Second Year.—Pass Examination in Chemistry, Physiology, Practical Histology and Anatomy, in addition to Sessional Examinations.

Third Year.—Pass Examination in Practice of Medicine and Surgery and Veterinary Obstetrics, and Diseases of Cattle and Materia Medica.

N.B.—Sessional Examinations will be held from time to time during the session, and attendance at these is compulsory, and the standing attained at the examinations will be taken into account at the pass examinations.

## AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular students before attaining that age.

Minors may pass the examinations, but cannot receive the Diploma until they are twenty-one years of age.

## HINTS TO STUDENTS.

The Matriculation Examination which you have to undergo is by no means a severe one; and if you are not prepared to pass it, you should begin at once to improve your education.

You had better not commence professional reading till you have become familiar with the fundamental subjects. Practice, except under the guidance of a thoroughly educated practitioner, is more likely to mislead than aid you.

It is advisable that you should arrive in Montreal before the opening day, so as to give you time to procure suitable lodgings. Endeavor by all means to be present at the introductory lectures on all subjects; you cannot miss one lecture without thereby losing valuable preparatory information. Come prepared to procure at once the necessary text books and note books. Make your arrangements so as to enable you to devote your entire time and undivided attention to your studies, as the three sessions which the curriculum covers will be found none too long to accomplish the necessary proficiency in the various branches of study required of you.

## NOTICE TO GRADUATES.

For the purpose of increasing pathological material for the classes, Graduates are earnestly requested to send any interesting or obscure pathological specimens which may be met with in their practice to the Pathologist at the Veterinary College, No. 6 Union Avenue. The specimens may be sent C. O. D. by express, and will in all cases be acknowleged. A report upon the nature of the specimen will be sent if desired; and the specimens, when of sufficient interest, will be preserved in the Museum with the names of the donors affixed.

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# McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, or for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

## Government of the School.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the committee of the Normal School for the Session of 1892-93.

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## NORMAL SCHOOL COMMITTEE.

Sir Wm. Dawson, C.M.G., LL.D., F.R.S., Vice-Chancellor of the University, *Chairman.*

Mr. Samuel Finley,
Mr. George Hague, } Governors of McGill College.

Rev. George Cornish, LL.D.,
J. R. Dougall, M.A., } Fellows of McGill University.

J. W. Brakenridge, B.C.L., *Acting Secretary.*

## OFFICERS OF INSTRUCTION.

### McGILL NORMAL SCHOOL.

SAMPSON PAUL ROBINS, M.A., LL.D., *Principal and Ordinary Professor of Mathematics, and Lecturer on Art of Teaching.*
ABNER W. KNEELAND, M.A., *Ordinary Professor of English Language and Literature.*
MADAME SOPHIE CORNU, *Professor of French.*
MISS GREEN, *Professor of Drawing.*
MR. R. J. FOWLER, *Instructor in Music.*
LILIAN B. ROBINS, B.A., *Assistant to the Principal, and Instructor in Classics.*
MR. W. H. SMITH, *Instructor in Tonic Sol-Fa.*
MR. JNO. P. STEPHEN, *Instructor in Elocution.*

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### MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL

ORRIN REXFORD, B.Sc., *Head Master of Boys' School.*
MISS——, *Head Mistress of Girls' School.*
MISS LUCY H. DERICK, *Head Mistress of Primary School.*

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## ANNOUNCEMENT FOR THE SESSION 1892-93.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-seventh session of this School will commence on the first of September, 1892, and close on the thirty-first of May, 1893. The complete course of study extends over four years, and the Students are graded as follows:—

1.—*Elementary School Class.*—Studying for the Elementary School Diploma.

2.—*Model School Class.*—Studying for the Model School Diploma.

3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

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## I. TERMS OF ADMISSION.

*(Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.)*

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography, and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A.A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted to the Elementary School Class not later than the close of the Christmas vacation. No teacher-in-training admitted later than the 1st of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit to the classes on trial persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the School by the Principal whenever he may judge it best so to do; but none shall be permitted to enter o to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*See Note c.*)

II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examinations, the sum of $400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of $800 will be divided at the close of the sessional examinations. The remainder of the bursary fund will be divided as an allowance for travelling expenses among teachers-in-training residing in the Province of Quebec at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French, and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none other shall be entitled to this privilege nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations in the Normal School, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching

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the standards defined above shall be entitled to admission to the Model School Class, none others without the special permission of the Principal. Such holders of Elementary School diplomas as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may be examined either at the examinations for the Associate in Arts in June or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be arranged by the Principal from time to time, in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto, after teaching for a time, in order to take the degree of Bachelor of Arts; but they shall be held bound to fulfill their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School, who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations, with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training, who do not attain the standard defined above, must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemption from fees in the second year will be granted to the three students entering from the Normal School, who, with creditable standing in all their examinations at the close of the first year in Arts have taken the highest aggregate of marks of any Normal School Students of their year.

## IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled. (*See Note c.*)

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Each professor shall have the power of excluding from his lectures any Student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal.

## V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction each student will be required to attend public worship at his own church, at least once every Sunday.

## VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence, and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging house keepers are required to report, as soon as possible, all cases of serious illness and all infractions of rules touching boarding houses.

## VII. ACADEMY DIPLOMAS TO GRADUATES.

*Granted under the Regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin, Greek and French in the Degree Examinations, or who have taken at least second class standing in these subjects at their Intermediate Examinations, shall be entitled to receive first class Academy diplomas, provided that they have also taken a regular course in the Art of Teaching at the McGill Normal School, or other public training institution outside the Province approved by the Protestant Committee.

Graduates who have not passed in French, as prescribed above, may, on application, be examined in that subject before the Principal of the McGill Normal School, and, if satisfactory, such examination shall be accepted in lieu of the prescribed standing in French in the University examinations.

To meet the requirements of Graduates and Undergraduates in Arts, who, not having previously taken a Normal School course, desire to receive Academy diplomas of the first class under regulation 54, provision has been made for the delivery of a course of forty lectures on Pedagogy in the Normal School and for practice in teaching in the McGill Model School for forty half days, open to Graduates in Arts of any British or Canadian University, to Undergraduates of the third year, and, with the permission of the Faculty and the concurrence of the Principal of the Normal School, to those of the four year.

Undergraduates will be permitted to teach the forty half days referred to above, at times extending over the sessions of the Model School, corresponding to the third and fourth years of their college course. Graduates will be permitted to teach in the Model Schools at such times as may be agreed on with the Principal.

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All persons taking this course of study in the Normal School shall be held to be subject to the regulations of the said school, and to be under the supervision of its Principal while in attendance thereat.

Graduates who have taken the above course of study in Pedagogy, and the first class Academy diploma, may be entered, if so desired by them, in the published lists of the University as holders of such diplomas.

Undergraduates who hold Model School diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas.

Teachers who hold (*a*) Academy diplomas granted before the first July, 1886, or (*b*) second class Academy diplomas granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the Committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (*a*) the requisite certificates of age and of good moral character, according to Form No. 1 (page 12), and (*b*) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction for an Academy diploma of the class to which he is entitled under these regulations.

## FORM OF CERTIFICATE OF CHARACTER TO BE SUBMITTED BY CANDIDATES FOR ACADEMY DIPLOMAS.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing ..... for the ..... last past; that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man*."

*This certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners, or Trustees, or Visitors.*

## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the By-Laws of the McGill Normal School.*

(*a*) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some Public School in the Province of Quebec.

(*b*) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals, and in the division of words into syllables; to give the names and state the positions of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, and rivers, and of the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(*c*) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied, in case of failure of health, by medical certificates.

(*d*) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in-training of the Model School class who passes for the diploma, and takes the highest aggregate of marks at the final examintion of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination, shall determine to whom this medal shall be awarded.

(*e*) In order to be recognized as teachers-in training for the Academy diploma, Students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction, must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be prented to the Dean of the Faculty of Arts.

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Having entered college, they must report to the Principal of the Normal School from time to time, as he may require, and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(*f*) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date ; the hours shall be from 10 a.m. to 12 noon.

(*g*) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from $12 to $16 per month.

## IX. COURSE OF STUDY.

N.B.—The subjoined Course of Study has been designed, and all instruction in it is given, with express reference to the work of teaching.

### 1. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms as follows :—

FIRST TERM, from September 1st to December 3rd.

(*Entrance Examination as stated above.*)

*English.*—The structure of sentences. Orthography and orthoepy. Penmanship. The study of Milton's L'Allegro, and the Sermon on the Mount, Matt. V, VI and VII.

*Geography.*—General view of continents and oceans. North and South America. Eléments de Géographie moderne.

*History.*—Outline of general history. Histoire du Canada, en français.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary notions.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

SECOND TERM, January 6th to end of Session.

(*No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.*

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Macaulay's Essay on Milton and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of the Old World.

*History.*—Sacred. Histoire du Canada continuée.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of numbers, Mensuration.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures continued.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each Student of the Elementary School Class must be provided with an English Grammar, an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the school in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English language. Study of Shakespeare's Tempest, Scott's Lady of the Lake, Tennyson's Lotus Eaters.

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*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Rome, England.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar, Gallic War, Book I.

*French.*—Translation from French into English, and from English into French, Darey's Principes de Grammaire. Eléments de Littérature française, Lectures françaises, Méthode Berlitz, Histoire de France.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such Students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

Other Students of exceptional ability may, with the consent of the Principal and the Professors of the several subjects, choose one of the following courses of extra study :—

(*a*) Mathematics: trigonometry and mechanics.

(*b*) French : classiques françaises, composition, et grammaire.

(*c*) Drawing : water-color.

(*d*) Music : violin.

In addition to the text-books named above, each Student of the Model School Class must be provided with an English Grammar, a History of England. a History of Rome, an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

## 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

These students will follow for two years the course of McGill University or of one of its affiliated colleges, or that of Bishop's College, Lennoxville; being enrolled on the books of the Normal School, and receiving a bursary from the Normal School, not exceeding $30 per annum, and such tutorial assistance as may be deemed necessary. Such Students must take in their courses such options only as are approved by the Principal of the Normal School.

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The course for the current year in McGill College, for first year Students, is :—

*Greek.*—Homer, Iliad, Book XXII. Xenophon, Hellenics, Book I. Studies in History and Literature.

*Latin.*—Cicero, De Amicitia. Virgil, Æneid, Bks. XI and XII.—Translation at sight. Studies in History and Literature. Latin Prose Composition.

*Mathematics.*—Arithmetic. Euclid, six books. Algebra to end of Quadratic Equations. Plane Trigonometry, in part.

*English Language and Literature.*—First term. Milton's Comus and Bacon's Essays (selected). Two lectures a week. English composition, one lecture a week. Second term.—English Literature, previous to Elizabethan Period.

*Chemistry.*—Lectures, chiefly on Elementary and Inorganic Chemistry, with Experiments in the Class-room and Laboratory work, if desired; the whole preparatory to the course in Natural Science.

*French.*—Darey, Principes de Grammaire française. LaFontaine, Choix de Fables. Molière, L'Avare. Dictation; Colloquial exercises.

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The course for second year Students is :—

*Greek.*—Plato, Apology. Xenophon, Memorabilia. Bk. I., Chaps. I. and II. History of Greece.

*Latin.*—Horace, Epistles, Bk. I., 1, 2 and 6. Livy, Bk. XXII. Translation at sight, and Latin Prose Composition.

*Mathematics.*—Arithmetic, Euclid, Algebra and Trigonometry as before. Logarithms. Plane Trigonometry, including solution of triangles and applications.

*Mathematical Physics.*—Mechanics, one lecture a week.

*English Literature.*—A period of English Literature and one play of Shakspere. During the session of 1892-93 : The leading poets of the nineteenth century. Shakspere, A Midsummer Night's Dream. [Clarendon Press Edition.]

*Psychology and Logic.*—First Term, Elementary Psychology (*Text-Book :* Murray's Handbook of Psychology, Book I). Second Term, Logic (*Text-Book :*—Jevon's Elementary Lessons in Logic).

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*Botany*.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books:*—Gray's Structural Botany. Penhallow's Classification. Penhallow's Guide to the Classification of Plants. Gray's Manual.

*French*.—Ponsard, l'Honneur et l'Argent. Racine, Esther. Contanseau, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—Dr. Johnson, Rasselas. Dictation. Parsing. Colloquial exercises.

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The course in Bishop's College for the current year is :—

*Greek*.—Euripides, Hecuba, Homer, Odyssey IX. and X.

*Latin*.—Virgil, Georgic IV. ; Sallust, Jugurtha.

*English*.—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History*.—Greek and Roman.

*French*.—Translation, Grammar and Composition.

*Mathematics*.—Euclid, Books I., II., III., IV., VI. and XI. Algebra to Progressions. Arithmetic.

*Physics*.—Balfour Stewart's Elementary.

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## SYLLABUS OF LECTURES ON PEDAGOGY.

(Open to Graduates and Undergraduates.)

### The Legal Position of the Teacher.

1. The organization of Public Instruction in Quebec. 2. The relation of the teacher to the Department of Public Instruction and to the Protestant Committee of the Council of Public Instruction. 3. The relation of the teacher to school commissioners and parents. 4. The relation of the teacher to pupils. 5. The teacher as a member of a profession.

### Discipline.

6. Discipline as a means of immediate pleasure to pupils. 7. Discipline as tending to school success. 8. Discipline as a preparation for life. 9. Discipline developing character. 10. Discipline enforced by authority.

### Instruction in Special Subjects.

11. English reading, writing, grammar. 12. Literature, composition. 13. French. 14. The classics. 15. Number; arithmetic and algebra. 16. Form;

geometry. Number and form; trigonometry and mensuration. 17. Geography and history. 18. Botany and chemistry. 19. Drawing and music. 20. The acquisition of general knowledge.

PHYSICAL DEVELOPMENT.

21. Health. 22. Growth. 23. The training of the eye. 24. The training of the ear. 25. The training of the hand.

MENTAL DEVELOPMENT.

26. The training of the analytic faculty. 27. Observation and experiment. 28. The training of the synthetic faculty. 29. Understanding, 30. Judgment and reason. 31. Invention. 32. Imagination. 33. Memory of sensations. 34. Memory of conceptions. 35. Verbal memory.

MORAL DEVELOPMENT.

36. Training in truthfulness. 37. In justice and purity. 38. In philanthropy and patriotism. 39. In earnestness. 40. In good manners.

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Boys' School—Orrin Rexford, B.Sc., *Head Master.*

Elizabeth Reid, } *Assistants.*

Girls' School, Mary J. Peebles, *Acting Head Mistress.*

Selina Sloan, } *Assistants.*

Primary School.—Lucy H. Derick, *Head Mistress.*
Annie L. Woodington, *Assistant.*

These Schools can accommodate about 300 pupils, are supplied with the last furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of six and upwards, and give a thorough English education. Fees: Boys' and Girls' Model Schools, $1.00 to $1.50 per month; Primary School, 75c.; payable monthly in advance.

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# University School Examinations.

1893.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

HELD UNDER THE SUPERINTENDENCE OF MCGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE; AND RECOGNIZED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

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These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls from any Canadian school.

## PART I.—ORDINARY A.A.

### SUBJECTS OF EXAMINATION,

#### I. PRELIMINARY SUBJECTS.

(100 marks each.)

*Writing.*
*English Dictation.*
*English Grammar, including easy Analysis.*
*Arithmetic* (all the ordinary rules, including square root and a knowledge of the Metric System).
*Geography* (acquaintance with the maps of each of the four continents, and of British North America).
*British History* and *Canadian History.*
*New Testament History* * (Gospels and Acts, as in Maclear).

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* Candidates will be exempted from examination in this subject only if their parents or guardians make written objection thereto.

## II. Optional Subjects.

### Section 1.—Languages.

*Latin* :—

| | |
|---|---|
| Caesar—Bell. Gall., Bk, I.<br>Virgil.— Aeneid, Bk. I.<br>Latin Grammar and Prose Composition (Collar's Practical Latin Composition, Part III, Book I., or an equivalent.) | 200 marks. |

*Greek* :—

| | |
|---|---|
| Xenophon.—Anabasis, Bk, I.<br>Homer.—Iliad, Bk. IV.<br>Greek Grammar. | 200 marks. |

*French* :—

| | |
|---|---|
| Grammar and Dictation.<br>Darey's Lectures Françaises (selected extracts).<br>Re-translation, English into French. | 100 marks. |

*German* :—

| | |
|---|---|
| Grammar,<br>Adler's Reader, Sections I. and II.<br>Translation from German into English | 100 do |

### Section 2.—Mathematics.

*Geometry*.—

| | |
|---|---|
| Euclid, I., II., III., with easy Deductions, ..... ..... | 100 do |

*Algebra* :—

| | |
|---|---|
| Elementary Rules, Involution, Evolution, Fractions, Indices, Surds, Simple and Quadratic Equations of one or more unknown quantities. | 100 do |

*Plane Trigonometry*.

| | |
|---|---|
| (As in Hamblin Smith, pp. 1-100, omitting Ch. XI) | 100 do |

### Section 3.—English.

*The English Language* :—

| | |
|---|---|
| Meiklejohn's English Language, Pts. I., II., III.<br>Trench's Study of words. | 100 do |

*English Literature* :—

| | |
|---|---|
| Meiklejohn's English Language, Pt. IV.<br>Shakspere, Julius Caesar.<br>Scott's Lady of the Lake. | 100 do |

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| | | |
|---|---|---|
| *History*.—(As in Primers of Greece and Rome, and Collier's Great Events) | 100 | do |
| *Geography*.—Physical, Political and Commercial | 100 | do |

## Section 4—Natural and Physical Sciences, etc.

| | | |
|---|---|---|
| *Zoology* (as in Nicholson's Introductory Text Book) | 100 | do |
| *Botany** (as in Spotton's High School Botany, with Penhallow's Guide to the Collection of Plants, and Blanks for Plant Descriptions† | 100 | do |
| *Chemistry* (as in Remsen's Elements of Chemistry, pp. 1 to 160) | 100 | do |
| *Physiology and Hygiene* (as in Cutter's Intermediate) | 100 | do |
| *Physics* (as in Gage and Fessenden's High School Physics, Chapters I., II., III.) | 100 | do |
| *Geometrical and Freehand Drawing* | 100 | do |

*Geometrical*.—Vere Foster $R^1$ and $R^2$, also problems 119 to 129 of $R^3$.

*Freehand*.—Rules of Perspective, Drawing from the object (as in the Dominion Freehand Drawing books, numbers 1 to 5, inclusive).

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## REGULATIONS.

1. To obtain the Certificate of Associate in Arts, Candidates must pass in all the Preliminary subjects, and also in any six of the Optional subjects, provided that the six include one subject at least from each of the four Sections.

2. In addition to the six Optional subjects selected for passing, Candidates may take other Optional subjects, but the total possible number of marks obtainable in all the Optional subjects chosen must not exceed 1100.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least 34 per cent. of the total number of marks obtainable in that subject ‡

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* In connection with the Botany examination, marks will be given for collections of mounted specimens made in accordance with Penhallow's Guide to the Collection of Plants. The Head Teacher of each school will forward with the answers a specimen from each pupil's collection, and also (on a furnished form) a detailed statement as to the collections made. Not more than 50 speciments will be expected to constitute a collection, and marks may be allowed *pro rata* for fewer.

† These Blanks may be obtained from booksellers in Montreal or elsewhere.

‡ When (*e. g.*, in History, English Language, etc.) two or more books or subjects are prescribed for one examination it is necessary to pass in each. Candidates will not be allowed to pass in the Preliminary Grammar, unless they show a satisfactory knowledge of Syntax (Parsing, Analysis, and questions connected therewith). In Classics, at least one-third of the marks allotted to grammar must be obtained.

4. The total number of Marks gained by every Candidate in the Optional subjects shall be added up, and the Candidates arranged in order of merit in a printed list, at the close of the Examination, those who are over 18 years of age on the first day of June being in a separate list. The marks in any subject shall not be counted if the Candidate has obtained less than 34 per cent. in that subject.

5. Candidates who obtain at least 67 per cent. of the marks in any Optional subject shall be considered as having answered creditably in that subject, and special mention of the same will be made in the Associate in Arts Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science.

7. Candidates who fail, or who may be prevented by illness from completing their examination, may come up at the next examination without extra fee.

8. Candidates who pass in all the Preliminary subjects may *at the next examination* take the Optional subjects only, and without extra fee.

9. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

10. The examinations will begin on Thursday, June 1st, at 9 a.m.

11. Lists of the names, ages, and Optional subjects to be taken by the Candidates, together with the fee of $4 for each Candidate, must be transmitted to the Secretary, McGill University, Montreal, on or before May 1st. (Blank forms and copies of the regulations will be furnished on application.)

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Extracts from Darey's Lectures Françaises, for the examination of 1893.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156 158, 162, 166, 169, 176, 179, 182, 196, 215.

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NOTE 1.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee; but in order to obtain the certificate from the Universities, the prescribed fee, viz., $4.00, must be paid to the Secretary of the University Examiners.

Candidates who pass Grade II. of the Academy Course of Study will, *in the following year*, be exempted from the Preliminary Subjects of the A. A. Examination.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the English Secretary, Department of Public Instruction, Quebec.

NOTE 2.—MATRICULATION SUBJECTS REFERRED TO IN REG. 6.

*In Arts.*—Greek, Latin, Geometry, Algebra, Arithmetic, English Dictation, English Grammar, British History. (Women may substitute French for Greek.)

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*In Applied Science.*—Geometry, Algebra, Trigonometry, Arithmetic, English Dictation, English Grammar.

After entrance in Arts or Applied Science, French or German must be studied. In the former subject an entrance examination is required, but may be passed either in June or in September; Candidates who are unable to pass must study German after entrance. Women who omit Greek must pass the entrance examination in French, and afterwards study both French and German.

[Matriculation Examinations are also held at the opening of the University Session in September. See Calendars of the Universities.]

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## PART II.—ADVANCED A.A.

### SUBJECTS OF EXAMINATION.

#### I. Preliminary Subjects.

As under Part I.

#### II. Optional Subjects.

### Section 1.—Languages.

*Latin :—*

Virgil.—Aeneid, I.
Cicero.—In Catilinam, I. and II.
Grammar, Prose Composition (Collar's Practical Latin Composition, Parts III. and IV.), and Translation at sight from Caesar and Nepos.

*Greek :—*

Xenophon.—Anabasis, I and II.
Homer.—Iliad, IV., and Odyssey, VII.
Grammar and Prose Composition (Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25).

*French :—*

Lamartine, Jeanne d'Arc.
Molière, Le Bourgeois gentilhomme.
Translation at sight from French into English, and from English into French.
Grammar and Dictation.

*German :—*

Lessing, Emilia Galotti.
Schiller, Der Kampf mit dem Drachen.
Grammar and translation from English into German.

## Section 2.—Mathematics.

*Geometry :—*
Euclid, Bks. I. to IV., Defns. of Bk. V., Bk. VI.

*Algebra :—*
To the end of Progressions.

*Trigonometry :—*
As in Hamblin Smith (the whole).

## Section 3.—English.

*The English Language :—*
Lounsbury's History of the English Language.
Mason's English Grammar.
A composition.

*English Literature :—*
Meiklejohn's English Language, Pt. IV.
The Elizabethan Period (Morley's First Sketch).
Milton's Paradise Lost, Bks. I. and II.

*History :—*
Grecian History.—The Persian and Peloponnesian Wars.
Roman History.—From the Wars of Marius and Sulla to the death of Tiberius.
English History.—The Reformation and Puritan England, as in Green's Short History.

## Section 4.—Natural and Physical Science, etc.

*Botany.*—Gray's Text-Book.
General Morphology and Classification, Determination of Canadian species, exclusive of Thallophytes. Distribution of Orders represented in Canada.
Credit will be given for collections of plants as under Part I.

*Chemistry.*—Inorganic, as in Remsen's Elements.
Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Physics.*—As in Gage and Fessenden's High School Physics.
Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Drawing.*—Orthographic Projection, including Simple Penetrations, Developments and Sections, as in Davidson's Orthographic Projection.

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## REGULATIONS.

The Regulations of Part I., with the following modifications and additions will apply to the advanced subjects:—

1. Candidates who pass in six of the advanced subjects (including one at least from each of the four Sections) will receive an Advanced A. A. certificate. The number of marks given to each subject will be the same as in Part I., and additional advanced subjects may be taken as in Reg. 2, Part I.

2. Candidates who fail in one or more of the subjects required for the advanced A. A. may, on the recommendation of the Examiners, be given an ordinary A.A. certificate.

3. The examinations in the advanced subjects will be held at the same time and in the same manner as those in the ordinary subjects. They will be open to all who have already passed in the preliminary subjects, whether they have taken the ordinary A. A. or not. The preliminary subjects must be taken either one or two years before the advanced subjects.

4. Candidates who pass the advanced examinations in Greek, Latin, Geometry, Algebra, and English Language* shall be considered as having passed the Higher Matriculation Examination of the First year in Arts, McGill University.

5. Candidates must, before May 1st, give notice of intention to present themselves for the examination, specifying the optional subjects in which they wish to be examined.

6. The ordinary fee of $4.00 must be paid before taking the preliminary subjects, and an additional fee of $10.00 at the time of making application for the advanced examinations †

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* French as in Part I, Note 2.

† Candidates from Academies under the control of the Protestant Committee of the Council of Public Instruction are exempt from the former fee, but not from the latter.

# School Examinations.

## STANDING IN THE EXAMINATIONS, 1892.

### ADVANCED ASSOCIATE IN ARTS.

| No. | | Marks. |
|---|---|---|
| 360. | Lucy Redpath (Trafalgar Institute, Montreal), | 706 |

### ASSOCIATES IN ARTS.

*I. Under 18 years of age.*

| No. | | Marks. |
|---|---|---|
| 29. | Elizabeth A. Hammond (High School, Montreal), | 926 |
| 48. | Wilfred G. G. Cole (Collegiate Institute, Montreal), | 919 |
| 35. | Winifred A. Locke (High School, Montreal), | 876 |
| 59. | Grace Henderson (Misses Symmers and Smith's School, Montreal), | 855 |
| 3. | Albert Laurie (High School, Montreal), | 847 |
| 41. | Amy W. Nichols (High School, Montreal), | 842 |
| 70. | Hans J. Schwartz (High School, Quebec), | 826 |
| 7. | Kenneth Molson (High School, Montreal), | 825 |
| 68. | Peter W. Langlois (High School, Quebec), | 815 |
| 43. | Winona J. Pitcher (High School, Montreal), | 810 |
| 16. | Arthur P. Scott (High School, Montreal), | 805 |
| 73. | William G. Turner (High School, Quebec), | 791 |
| 31. | I. Ethel Hurst (High School, Montreal), | 790 |
| 54. | Alexander R. Ross (Collegiate Institute, Montreal), | 781 |
| 61. | Louise Smith (Misses Symmers and Smith's School), | 763 |
| 38. | Mary McCuaig (High School, Montreal), | 762 |
| 51. | Malcolm MacKay (Collegiate Institute, Montreal), | 753 |
| 6. | Benjamin B. Mitchell (High School, Montreal), | 741 |
| 9. | Clawson Rea (High School, Montreal), | 734 |
| 76. | Mabel L. Hanington (Girls' High School, St. John, N.B.), | 728 |
| 75. | Elizabeth S. Colwell (Girls' High School, St. John, N.B.), | 723 |
| 58. | Emily Everett (Misses Symmers and Smith's School), | 705 |
| 32. | Elizabeth A. Jones (High School, Montreal), | 694 |
| 80. | Janet W. McRobbie (Girls' High School, St. John, N.B.), | 690 |
| 8. | Wilmot M. Paterson (High School, Montreal) } | 689 |
| 11. | Herbert Ross (High School, Montreal) } equal | |
| 81. | Annie L. Smith (Girls' High School, St. John, N.B., } | |
| 50. | Edward M. Edgar (Collegiate Institute, Montreal), | 687 |

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| No. | | Marks. |
|---|---|---|
| 56 | Frederick R. Wainwright (Collegiate Institute, Montreal), | 685 |
| 5. | Frederick L. McDunnough (High School, Montreal) } equal | 681 |
| 12. | Gordon Rutherford (High School, Montreal) } | |
| 30. | Harriet S. M. Hill (High School, Montreal), | 679 |
| 104. | Frederick W. Thompson (Coaticook Academy), | 676 |
| 82. | Elizabeth I. Stevenson (Girls' High School, St. John, N.B.), | 669 |
| 226. | Susan M. C. Richards (Sherbrooke Girls' Academy), | 655 |
| 34. | Minnie M. Laughton (High School, Montreal), | 645 |
| 97. | George A. Jordan (Coaticook Academy), | 630 |
| 126. | Mabel M. Watson (Cowansville Academy), | 623 |
| 4. | George E. Learmonth (High School, Montreal), | 620 |
| 13. | Stewart Rutherford (High School, Montreal), | 619 |
| 244. | Clara E. Slack (Waterloo Academy), | 617 |
| 44. | Ethel C. Shaw (High School, Montreal), | 615 |
| 125. | Mabel A. Carter (Cowansville Academy), | 602 |
| 24. | Annie A. Bremner (High School, Montreal), | 591 |
| 243 | Mildred M. Rhicard (Waterloo Academy), | 585 |
| 145. | Mary Gomery (Huntingdon Academy), | 583 |
| 64. | Frank W. Mills (Bishop's College School, Lennoxville), | 576 |
| 111. | Charlotte Hinds (Compton Ladies' College), | 575 |
| 18. | John A. Shaw (High School, Montreal), | 574 |
| 110. | Rena Hall (Compton Ladies' College), | 565 |
| 109. | Amy G. Fiske (Compton Ladies' College), | 563 |
| 40. | Lillian F. Morris (High School, Montreal), | 561 |
| 62. | John H. Acer (Bishop's College School, Lennoxville), | 557 |
| 221. | Henry W. Lothrop (Sherbrooke Boys' Academy), | 551 |
| 220. | Jacob Kessler (Sherbrooke Boys' Academy), | 548 |
| 150. | Elizabeth Neville (Huntingdon Academy), | 543 |
| 10. | William Roberts (High School, Montreal), | 541 |
| 245. | Edith A. Temple (Waterloo Academy), | 539 |
| 224. | Ellen Baird (Sherbrooke Girls' Academy), | 536 |
| 186. | Bernard N. Simpson (Lachute Academy), | 517 |
| 216. | Malcolm H. Bradford (Sherbrooke Boys' Academy), | 514 |
| 1. | John Cox (High School, Montreal), | 511 |
| 180. | Grace M. H. Barron (Lachute Academy), | 509 |
| 60. | Louisa Heward (Misses Symmers and Smith's School), | 497 |
| 202. | Charles F. Morrison (St. Francis College, Richmond), | 486 |
| 27. | Agnes H. Denoon (High School, Montreal), | 485 |
| 45. | Ethel F. Wilson (High School, Montreal), | 477 |
| 171. | Percy C. Duboyce (Knowlton Academy), | 476 |
| 107. | William Wallace (Coaticook Academy), | 475 |
| 190. | Annie R. L. Westman (Marbleton Model School), | 474 |
| 33. | Grace A. Kneen (High School, Montreal), | 473 |
| 90. | Phoebe G. Baxter (Bedford Academy), | 469 |

| No. | | | Marks |
|---|---|---|---|
| 154. | Lorne M. Arkley (Inverness Academy), | | 462 |
| 92. | Nelson C. Davis (Bedford Academy), | | 461 |
| 42. | Ethel B. Pinder (High School, Montreal), | | 459 |
| 103. | Leon M. Thomas (Coaticook Academy), | | 456 |
| 95. | Cora B. Hopkins (Coaticook Academy), | | 455 |
| 37. | H. Edith MacTavish (High School, Montreal), | | 452 |
| 39. | Maude I. McLeod (High School, Montreal), | | 451 |
| 210. | Ethel Wilkinson (St. John's High School), | | 450 |
| 28. | Elizabeth M. Gordon (High School, Montreal) | equal | 442 |
| 124. | Mary Harvie (Cote St. Antoine Academy) | | |
| 235. | H. Maud Terrill (Stanstead Wesleyan College), | | 441 |
| 108. | Edith M. Cochrane (Compton Ladies' College) | equal | 439 |
| 130. | Minnie E. Lee (Dunham Academy) | | |
| 208. | Lena P. Sargent (St. John's High School) | | |
| 137. | Nina E. Howe (Hatley Model School) | | 434 |
| 102. | Harriet V. Stenning (Coaticook Academy), | | 429 |
| 26. | Ida G. Clark (High School, Montreal) | equal | 424 |
| 65. | Cyril A. Bishop (High School, Quebec) | | |
| 218. | George B. Cross (Sherbrooke Boys' Academy), | | 423 |
| 167. | James Sutherland (Inverness Academy), | | 408 |
| 91. | George E. Cornforth (Bedford Academy), | | 403 |
| 20. | Alexander M. Stewart (High School, Montreal) | equal | 398 |
| 146. | Emma Henderson (Huntingdon Academy) | | |
| 193. | Agnes S. Whelan (Portage du Fort Model School), | | 367 |
| 203. | William H. Watters (St. Francis College, Richmond), | | 362 |
| 157. | Laura J. Forbes (Inverness Academy), | | 332 |
| 52. | Herbert M. Marler (Collegiate Institute, Montreal), | | 329 |
| 185. | Susan A. Patterson (Lachute Academy), | | 307 |

*II. Over* 18 *years of age.*

| | | | |
|---|---|---|---|
| 15. | Frank C. Saunders (High School, Montreal), | | 825 |
| 83. | Henrietta M. Ward (Girls' High School, St. John, N.B.), | | 788 |
| 230. | Flora A. Bryant (Stanstead Wesleyan College), | | 786 |
| 74. | Frank G. Vial (High School, Quebec), | | 725 |
| 199. | Katherine A. Sutherland (Girls' High School, Quebec), | | 686 |
| 25. | Mary E. Campbell (High School, Montreal), | | 676 |
| 153. | Donald Rowatt (Huntingdon Academy), | | 665 |
| 19. | Albert E. Smaill (High School, Montreal), | | 629 |
| 57. | Lizzie Bradley (Misses Symmers and Smith's School), | equal | 611 |
| 142. | Clara Craik (Huntingdon Academy), | | |
| 96. | Effie M. Hunter (Coaticook Academy), | | 608 |
| 77. | Maud E. Hannah (Girls' High School, St. John, N.B.), | | 605 |
| 201. | Francis C. Smiley (St. Francis College, Richmond), | | 593 |
| 119. | Robert H. McRae (Cookshire Model School), | | 567 |

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| No. | | Marks. |
|---|---|---|
| 195. | Evelyn M. Benson (Girls' High School, Quebec), | 562 |
| 23. | G. May Bell (High School, Montreal), | 560 |
| 105. | Minnie C. Tomkins (Coaticook Academy), | 559 |
| 84. | Annie D. Morehouse (Grammar School, Woodstock, N.B.), | 558 |
| 149. | Duncan McNair (Huntingdon Academy), | 553 |
| 188. | Leona N. Ives (Lennoxville Model School), | 541 |
| 79. | Catherine M. Hare (Girls' High School, St. John, N.B.), | 535 |
| 144. | Francis Gardner (Huntingdon Academy), | 517 |
| 106. | Mary L Van Vliet (Coaticook Academy), } eqal | 513 |
| 120. | James McRae (Cookshire Model School), } | |
| 117. | Abbie J. Cairns (Cookshire Model School), | 509 |
| 198. | Winifred F. Judge (Girls' High School, Quebec), | 501 |
| 115. | Mary L. Bowen (Cookshire Model School), | 499 |
| 197. | Frances M. Gillespie (Girls' High School, Quebec), | 493 |
| 161. | Alfred Johnson (Inverness Academy), | 459 |
| 155. | John A. Butler (Inverness Academy), | 446 |
| 233. | Walter B. Tabb (Sherbrooke Boys' Academy), } equal | |
| 164. | William Moore (Inverness Academy), | 443 |
| 234. | Burton H. Rider (Stanstead Wesleyan College), | 441 |
| 237. | Sophronia Harvey (Sutton Model School), | 428 |
| 187. | Mary W. C. Walsh (Lachute Academy), | 420 |
| 162. | John E. Lipsay (Inverness Academy), | 414 |
| 131. | Norman P. Stinehour (Frelighsburg Model School), | 405 |
| 215. | Alexander Baird (Sherbrooke Boys' Academy), | 376 |
| 184. | Peter C. McGregor (Lachute Academy), | 363 |
| 112. | Gertrude Ives (Compton Ladies' College), | 344 |
| 113. | Alla Lawson (Compton Ladies' College), | 329 |
| 147. | Anna McCoy (Huntingdon Academy), | 321 |
| 151. | William Rae (Huntingdon Academy), | 294 |
| 165. | David A. Simons (Inverness Academy), | 286 |

## PASSED THE PRELIMINARY SUBJECTS.

(In order of numbers).

66 69 78 248 249 250 251 252 255 257 260 261 262 263
265 267 269 270 271 272 275 277 279 282 285 291 292 293
294 300 302 303 304 305 306 307 311 318 330 331 333 337
339 341 342 344 345 346 348 349 350 351 354 355 358 359

Also 117 Academy pupils, examined at Quebec.

## McGILL UNIVERSITY, MONTREAL.

JUNE, 1892.

The following Candidates have passed the Examinations required for Entrance

*1. In Arts.*

| | |
|---|---|
| Baird, Ellen | Sherbrooke, Q |
| Barron, Grace M. H., | Lachute, Q |
| Barry, Lily E F., | Ottawa, O |
| Benson, Evelyn M., | New Liverpool, Q |
| Boutelle, Mary W., | Danville, Q |
| Bradford, Malcolm H., | Sherbrooke, Q |
| Bradley, Lizzie, | Montreal, Q |
| Bryant, Flora A., | Stanstead, Q |
| Cairns, Abbie J., | Sawyerville, Q |
| Campbell, Mary E., | Montreal, Q |
| Carter, Mabel A., | Cowansville, Q |
| Colclough, Thomas A., | Almonte, O |
| *Cole, Wilfred G. G., | Montreal, Q |
| Colwell, Elizabeth S., | St John, N.B. |
| Craik, Clara, | Huntingdon, Q |
| Cross, George B., | Sherbrooke, Q |
| * Edgar, Edward M., | Montreal, Q |
| Everett, Emily, | Montreal, Q |
| Fiske, Amy G., | Coaticook, Q |
| Fitzgerald, Gerald, | Bridgenorth, O |
| Friedlander, Abraham, | Montreal, Q |
| Frost, Isabella F., | Waterloo, Q |
| Gillespie, Frances M., | Quebec, Q |
| Goldsmith Perry G., | Peterboro, O |
| Gomery, Mary, | Huntingdon, Q |
| Gordon, Alfred, | Alberton, P.E.I |
| Hall, Rena, | Island Pond, Vt. |
| Halpenny, E. W., | Carlton Place, O |
| Hammond, Elizabeth A., | Montreal, Q |
| Hanington, Mabel L., | St. John, N.B |
| Hanran, Maggie, | Inverness, Q |
| Harvey, Sophronia, | Abercorn, Q |
| Henderson, Grace, | Montreal, Q |
| Hill, Harriet S. M., | Montreal, Q |
| Hinds, Charlotte, | Acton, Q |
| Hopkins, Cora B., | Coaticook, Q |
| Howe, Nina E., | Hatley, Q |
| Howell, Archibald R., | Montreal, Q |
| Hudson, Harvey, | Chelsea, Q |
| Hunter, Effie M., | Dixville, Q |
| Hurst, I. Ethel, | Montreal, Q |
| Ives, Leona M., | Lennoxville, Q |
| Jones, Elizabeth A., | Montreal, Q |
| Judge, Winifred F., | Quebec, Q |
| Kelly, John K., | Almonte, O |
| Knowlton, Mary R., | Knowlton, Q |
| *Langlois, Peter W., | Quebec, Q |
| Laughton, Minnie M., | Montreal, Q |
| Learmonth, George E., | Montreal, Q |
| Locke, Winifred A., | Montreal, Q |
| Lothrop, Henry W., | Sherbrooke, Q |
| MacCarter, James M., | Almonte, O |
| McCuaig, Mary, | Montreal, Q |
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| *MacKay, Malcolm, | Montreal, Q |
| McLaren, Arthur, | Lancaster, O |
| McLaren, Peter S., jr., | Tiverton, O |
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| Sutherland, James, | Inverness, Q |
| Sutherland, John, | Carlton Place, O |
| Sutherland, Katherine A., | Quebec, Q |
| Temple, Edith A., | Warden, Q |
| Terrill, H. Maud, | Stanstead, Q |
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| *Turner, William G., | Quebec, Q |
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| Vial, Frank G., | Quebec, Q |
| *Wainwright, Fred. R., | Montreal, Q |
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| Watters, Wm. H., | Lynn, Mass. |
| Watson, Mabel M., | Cowansville, Q |
| Watt, Robert G., | Lanark, O |
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Ferguson, Thos., Peterboro, O
Fowler, Clarence P., St Catharines, O
Gardner, Francis, Huntingdon, Q
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Suter, Robt. W., Carleton Place, O
Tanner, Arthur W., Ottawa, O
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Successful Candidates must present themselves for enregistration to the Deans of their respective Faculties before the commencement of lectures.

## STANDING IN THE OPTIONAL SUBJECTS.

[The numbers correspond with those in the preceding lists. Candidates whose numbers are in parentheses are equal in standing. Those preceding a single asterisk have obtained at least two-thirds of the marks: those preceding a double asterisk, at least one-half; those following, at least one-third. The Schools and Candidates' numbers are as follows: Montreal High School (Boys), 1-22, and 248-275; Montreal High School (Girls), 23-45 and 276-316; Montreal Collegiate Institute, 46 56, and 317-343; Miss Symmers and Miss Smith's School, 57-61, and 352-357; Bishop's Coll. School, Lennoxville, 62-64; Quebec High School, 65-74; St. John, N.B., Girls' H.S., 75-83; Woodstock, N.B., Grammar School, 84; Aylmer Acad., 85-89; Bedford do, 90-92; Clarenceville do, 93-94; Coaticook do, 95-107; Compton Ladies' College, 108-114; Cookshire Model School, 115-123; Cote St. Antoine Academy, 124; Cowansville do, 125-126; Danville do, 127-129; Dunham do, 130; Frelighsburg Model School, 131; Granby Academy, 132-136; Hatley Model School, 137; Hull do, 138-141; Huntingdon Academy, 142-153; Inverness do, 154-169; Knowlton do, 170-179; Lachute do, 180-187; Lennoxville Model School, 188-189; Marbleton do, 190-191; Portage du Fort, 192-194; Quebec Girls' High School, 195-199; Richmond, St. Francis College, 200-204; St. Johns High School, 205-211; Shawville Academy, 212-214; Sherbrooke Boys' Academy, 215-223; do Girls', 224-226; Stanbridge East Model School 227-229: Stanstead Wesleyan College, 230-235; Sutton Model School, 236-240; Waterloo Academy, 241-245; Waterville Model School, 246; Windsor Mills Model School, 247; Montreal, Trafalgar Institute, 344-351 and 360; Private Tuition, 358; Montreal, Sabrevois School, 359; Gould Model School, 361.]

*Latin.*—(48, 230), (73, 83, 244), (15, 59, 153, 30, 16, 7, 70, (61, 75), (3, 114, 241), 35, 41, 54, 127, 81, 243, (11, 110), (180, 245), (2, 25, 37, 38, 74), 76, (31, 34, 80, 82, 135), (84, 108), 145, (40, 68), (4, 8, 58, 186), (43, 201) (55, 235), (32, 96), (23, 195), (17, 79), 232, 234), (33, 67, 137, 210), (29, 90, 125, 144, 202), (57, 126, 142, 196, 172)*, (9, 56, 199), 50, (39, 77, 167), 44, (12, 51, 111, 158), (131, 164, 198), 109, (102, 208, 220), 150, (57, 132), (168, 184, 226), (64, 105, 155), (92, 237), (13 42, 104, 107, 178, 187, 221), (233, 246), (20, 136), (62, 98, 99, 154, 224), (117, 149, 163), 218, (1, 106), (197, 216), 123, (103, 130), 120, (21, 193). (65. 171) (53, 124), 203, (134, 175), (91, 188),** (161, 190), (112, 215), 159, 162, (113, 119) 157, 95, 139, (141, 181, 196, 207, 227), 183, 128.

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*Greek* (Max. 200).—48, (59, 73), (54, 70) (2, 7), 15. 16, (4, 68), 11, *55, 199, (56, 74), 64, 17**, 119, 50, (120, 150), 143, 62, 53, 195, 198, 51, 52, 47.

*Greek* (Max. 150).—201,* (149, 172), 203, 221,** 168, 202, (164, 167), 216, 159, 218, 223, 197.

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*German*.—29, 31, 43, 35, (24, 41), 40, 38, 26, 18, 27, 6, (22, 45), 28, 5,* 14.

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*Geometry*.—51, 201, 9, 3, (7, 84), (12, 54), 80, 5, (13, 240), (68, 76), 15, (104, 230), 50, (105, 208), 115, (16, 83, 117, 125, 215, 232), (6, 67, 70, 75, 92, 119)* 31, (8, 58), (41, 77, 81, 156, 161, 188, 202), (11, 27, 29, 62, 241), (170, 190, 226), (10, 38, 43, 48, 90, 154, 172) (1, 2, 109, 111, 137, 153, 157, 243), 244, (64, 96, 126, 158, 168), (99, 110, 145, 163, 164, 213, 235, 245), (24, 28, 47, 79, 142, 175, 214, 225), (61, 155, 187, 224, 236, 237), (57, 171. 186, 212), 197, (4, 25, 97, 169, 198), (35, 42, 91, 122, 204), (17, 30, 59, 127),** (34, 146, 147), (73, 87, 95, 98, 121, 124, 130, 193), (18, 19), (120, 216, 361), (53, 103, 144, 203, 210, 221), (32, 65, 183, 220, 233), (37, 52, 112, 143, 189, 207), (45, 56, 102), (165, 229), (46, 195), (180, 191, 199), (82, 113, 135, 136, 149, 217, 228, 239), (55, 74, 100, 118, 177, 194), (22, 123, 151, 159, 174, 179, 227, 246), (20, 23, 36, 60, 106, 184, 218), (44, 49, 107, 150, 162, 167, 182, 185, 192, 200, 219, 222, 238).

*Geometry* (Advanced).—205, 347, 360 **

*Algebra*.—68, 51, (7, 29, 115), 15, (41, 98), (3, 8), (6, 30, 32, 149), (153, 230), (2, 10, 12, 35, 232), (5, 48, 111), 1, (38, 109, 127), 36, (47, 73, 80, 84), (9, 61, 96, 158), (31, 58), (43, 54, 91, 199), (52, 103, 202), (142, 235), (24, 110, 156, 241), 23, (44, 59, 75, 97, 107, 122, 124, 165, 167, 168, 201, 210, 224, 233, 244), (28, 76, 117, 243),* (60, 102, 126, 146, 154), (99, 163, 193), (116, 65, 104), (113, 143, 150, 174, 245), (42, 82, 90, 131), (106 237), (49, 188, 234), (108, 222), (92, 161, 190), (56, 162, 215), (45, 50, 70, 221), (13, 172, 204), (27, 57, 145, 175, 195), (14, 44, 151, 198, 207), (11, 40, 147, 180, 183,), 216,** (19, 186, 220, 226), 18, 81, 85, 112, 125, 164, 184, 212, 225), (105, 155, 189), (4, 22, 37, 74, 144), (33, 55, 77, 123, 177), (203, 209, 219, 239), 79, 208, 217), (39, 137, 157, 171, 218), (100, 197, 214, 228), 25, 67, 83), (169, 185, 229), 21, 119, 196, 361), (128, 178, 187), 26, 94, 65).

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*Trigonometry*.—51, 145, 48, 6, 5, 232, (3, 70, 127), 115, 19, 68, (12, 104), 8, 230, 13, 153,* 10, 50, 119, 9, 199, 54, 144, (73, 120, 142),** 56, (55, 143), 22, (149, 158), 49, 150.

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*English Literature*.—29, 31, 59, 35, (4, 16, 43), 21, 9, 33, (41, 57, 76), (38, 75, 180), (3, 74, 83), (1, 30, 58, 70, 105, 170), (7, 25, 73), (11, 15, 48, 60, 61, 153), 53, 195), (23, 28, 77), (40, 51, 81, 243), (27, 226), (32, 45, 80, 114, 126, 184, 197, 244), (79, 90), (18, 50, 68, 82, 96, 215, 225), (2, 125, 241), (37, 100, 104, 182, 199, 208, 224), (8, 34, 44, 54, 97, 112), (10, 56, 92, 109, 111, 130, 142, 145, 182, 187, 190), (13, 19, 64, 146, 240), (186, 194), (5, 6, 67, 106, 107, 216, 220, 245),* (17, 24, 42, 98, 174, 185, 212), (65, 110, 221), (12, 47, 87, 147, 237), (20, 62, 108, 137, 144, 188, 191, 196), (26, 102), (124, 127, 198, 210, 213), (218, 236, 239), (52, 95, 99, 149, 150, 193), (22, 103, 119, 227), (94, 120), (39, 113, 121), (14, 222), 36, 135, (46, 86, 91, 134, 181, 217),** 219, (238, 246, 361), (177, 178), (49, 143, 229), (93, 175), 228, 223, 189, 151, 117, 89.

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*Botany*.—109, (83, 199), (29, 41), (111, 198), (76, 195), 35,* (24, 75), (23, 61, 81), (6, 30, 110), (59, 97, 105, 142, 197), (43, 45, 79, 80, 130, 156, 178), 77, (18, 25, 26, 38, 57, 221), (39, 58, 125, 219), 126, (32, 36, 132, 136, 158, 163, 170, 222, 241),** (159, 182), (34, 60, 95, 99, 155, 174, 245), 102, (112, 200, 216), (12, 13, 107, 108, 115, 146, 151, 168, 180, 226), (10, 96, 113, 153, 175, 186, 190), (3, 42, 127, 135, 187, 204, 220, 225, 244), (8, 28, 33, 37, 82, 106, 114, 134), (40, 84, 117, 161, 177, 183), (144, 162, 169), (19, 98, 104, 131, 147, 150, 154, 157, 165, 166, 185, 188, 196, 207, 243).

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*Chemistry*.—16, (29, 83), (25, 35), (3, 32), (76, 230), (18, 41, 77, 81),* 82, (6, 75), (30, 172), (19, 24, 31, 36, 232), (23, 220), 43, (12, 130), 80, 79, (33, 34),** 8, 38, (9, 39, 171), 5, (13, 45), 1, (26, 64), 28, 62.

*Physiology and Hygiene*.—127, (50, 56), (161, 226), 239, 199, 197, 230, (74, 105, 126, 158), (73, 104, 162),* 163, 155, (96, 99, 118, 130, 201, 244), (142, 154), (70, 97, 110, 117), (68, 84, 115), (49, 156, 157, 159, 165, 166, 170, 241, 243), (46, 76, 136, 195), (65, 131, 240), (120, 145, 172), (98, 107, 125, 146, 171, 188), (85, 86, 91, 114, 122, 149, 153, 164, 198, 202, 225), (52, 121, 185, 193, 210, 245), (119, 143, 167, 180, 208, 217), (87, 92, 106, 137, 175, 190, 207, 237, 246),** (109, 135, 179, 228, 234, 238), (95, 100, 174, 214, 224, 232), (168, 169, 183, 247), (77, 144, 189, 216), (186, 187, 233), (55, 212, 221), (67, 89, 102, 223, 227, 236), (111, 184, 204, 229), (112, 151, 220), (103, 113, 196, 218), (132, 177, 181), (90, 178), (124, 235), 147, (94, 108, 123, 134, 150, 194, 203, 211, 361).

*Physics*.—3, 7, 48, 19, 97, 15, (6, 104), 230, 51, (9, 95, 98, 105), 96, 11, 47, (99, 106), 232, 13,** 233, 100, 54, (21, 62, 102, 103), (17, 220), 5, 1, (8, 107), (4, 20, 234), 10.

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Brouse, J. E., Brockville, Ont.
Bruce, D. A., Grandview, P.E.I.
Brunette, J. E., Cornwall, Ont.
Carmichael, H. B., Montreal.
Chabot, J. L., Ottawa, Ont
Chipman, R. J., Halifax, N.S.
Day, A. R. A., Guelph, Ont.
Duncan, G. H., Duncanville, Ont.
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Glendenning, R. F., Trumanville, N.S.
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McKenzie, R. T., Montreal.
McKinnon, O. T., Kinross, P.E.I.
McNally, H. H., Fredericton, N.B.
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Martin, C. F., Montreal.
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Meikle, W. F., Morrisburg, Que.
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York, H. E., Metcalf, Ont.

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## FACULTY OF ARTS.

BACHELOR OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

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ADMITTED TO THE DEGREE OF LL.D., *Honoris Causa*.

Baron Frederick von Mueller, K.C.M.G., F.R.S., Government Botanist, Victoria, Australia.

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*In Honours.*

(Alphabetically arranged.)

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Kollmyer, W. Hector S.
Messenger, W. J.
Mitchell, Robert J. W.
Parker, Edwin G.
Pitcher, Ethelwyn.
Tatley, Helena.
Wood, Arthur B.

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Hamilton, Daniel S. } equal
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Craik, Galen H.
Allen, James H.
Colquhoun, Philip L.
McLeod, Norman A.
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Guthrie, Donald.

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Ogilvy, Isabella.
Bickerdike, F. A. C.
Barlow, Walter L. } equal.
Gyde, Lilian N. }
Dickson, Sidney M.
Dickson, Edward H. T.
Graham, Fred. H.
Warner, Agnes L.
Duclos, Arnold W.

*Class III.*—Mackenzie Janet F.
Lewis, William P.
Craig, Margaret
Stewart, J. C.
Hanran, Robert J.
Harvey, Fred. W
Boyd, Rorert } equal.
Brown, Jessie }
Hargrave, Edith
Shaw, S. Louise
Naylor, Henry A.
Garrett William P.
McGregor, Alexander.
Ireland, George.
Bond, William L.
Bremner, William. s.
Fraser, Frank C. s.
McKeracher, William, s.
Ogilvy, Charles, s.

S. With supplemental in one subject (arranged alphabetically).

MORRIN COLLEGE.

*Class I.*—None. *Class II.*—Harper, Moffat, Fraser. *Class III.*—Polley, Lee.

ST. FRANCIS COLLEGE.

*Class II.*—Dunkerley.

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## FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE, IN ORDER OF MERIT.

### Civil Engineering.

James Tighe, Holyoke, Mass.
James George R. Wainwright, St. Andrews, Que.
Ellsworth D. Bolton, Listowel, Ont.

Henry Black Stuart, Montreal.
Peter Joseph Murphy, Quebec.
Louis Benjamin Copeland, Berthier, Que.

### Mechanical Engineering.

George Sinclair Smith, Petitcodiac, N.B.
William Henry Warren, Montreal.
William Norton Cunningham, Montreal.
William C. Gregory Smart, Hamilton, Ont.

### Mining Engineering.

John Murray McGregor, B.A.
Charles B. Kingston, B.A., Montreal.
James George H. Purves, Sydney, C.B.

### Practical Chemistry.

Peter Henry Le Rossignol, Montreal.
William Edward Boustead, Toronto.
Walter Chamblet Adams, Montreal.
Alonzo John Klock, Aylmer, Que.

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ADMITTED TO THE DEGREE OF MASTER OF ENGINEERING

William A. Carlyle, B.A.Sc.

ADMITTED TO THE DEGREE OF MASTER OF APPLIED SCIENCE.

Nevil Norton Evans, B.A.Sc.

---

## FACULTY OF VETERINARY SCIENCE.

PASSED FOR THE DEGREEE OF D.V.S.

McIntyre, J. D.
Gangloff, G.
Bolgar, D. L.
Seale, J. H.
Moffatt, J.
McNaughton, D.
Plaskett, J.
Robb, E.
Wells, G. P.
Pote, T. B.
Lofgren, O. C.
Ramsay, R. A.
Dyer, R. E.
Lee, George.
Moffatt, S. J.
Robertson, A. T.

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# Scholarships and Exhibitions.

SESSION 1891-92.

FACULTY OF ARTS.

I. SCHOLARSHIPS (Tenable for two years).

| Year of Award. | Names of Scholars. | Subject of Examination. | Annual Value. | Founder or Donor. |
|---|---|---|---|---|
| 1890 | Wood, Arthur B. | Mathematics. | $125 | W. C. McDonald. |
| 1890 | Robins, George D. | Mathematics. | 125 | W. C. McDonald. |
| 1890 | Cushing, Harold B. | Nat. Science. | 125 | W. C. McDonald. |
| 1890 | Archibald, E. | Class.& Mod.Lang | 125 | W. C. McDonald. |
| 1890 | Kollmyer, W. H. | Class.& Mod.Lang | 120 | Barbara Scott. |
| 1891 | Brown, James T. | Mathematics. | 125 | W. C. McDonald. |
| 1891 | MacIver, E. J. | Nat. Science | 125 | W. C. McDonald. |

II. EXHIBITIONS (Tenable for one year).

| NAMES OF EXHIBITIONERS. | Academic Year. | Annual Value. | Founder or Donor. |
|---|---|---|---|
| Dickson, Trenholme. | Second | $125 | W. C. McDonald. |
| Dickson, Sidney M. | " | 125 | George Hague. |
| Smith, Alistair. | " | 125 | W. C. McDonald. |
| Watson, Rosalind. | First | 100 | Mrs. Jane Redpath. |
| Whiteaves, Maud. | " | 100 | Mrs. Jane Redpath. |
| *Armstrong, E. N. | " | 125 | W. C. McDonald. |
| Travis, Katharine. | " | 100 | Sir Donald Smith. |
| *Young, Henry. | " | 125 | W. C. McDonald. |
| Watt, James C. | " | 125 | W. C. McDonald. |
| LeRoy, O. E. | " | 100 | Major Mills. |

A McDonald Bursary, value $62.50, was awarded to McKeracher, W. M, at the Second Year Exhibition Examination.

* The Governor-General's exemptions from Tuition Fees for four years were granted in September, 1891, to Armstrong and Young.

# Prizes, Honours and Standing.

SESSION 1891-92.

## FACULTY OF LAW.

GRADUATING CLASS.

### THIRD YEAR.

Ryan, Percy C., Ottawa; First Rank Honors and Elizabeth Torrance Gold Medal and Prize of $50.

Truell, Harry V., B.A., Barnston, Que.; First Rank Honors and Prize for Thesis and Prize of $25.

PASSED FOR THE DEGREE OF B.C.L.

Ryan, Percy C.; Truell, Harry V.

### SECOND YEAR.

Davidson, Peers, B.A., Montreal; First Rank Honors and Prize of $50.

Hall, Alex. Rives, B.A., Toronto; First Rank Honors and Prize of $25.

PASSED THE SESSIONAL EXAMINATIONS.

Davidson, Peers, B.A.
Hall, Alex. Rives, B.A.
Geoffrion, Aimé, Montreal.
Jacobs, Samuel W., Lancaster, Ont.
Passed *in absentia, aeger.*—Cameron, John Alexander, B.A., Huntingdon, Que.

### FIRST YEAR.

Macdougall, Gordon Walters, B.A., Montreal; First Rank Honors and Prize of $50.

Internoscia, Jerome (Fourth Year Arts), Bapolla, Italy; Scholarship of $100, open to students not domiciled in Montreal and vicinity.

PASSED THE SESSIONAL EXAMINATIONS.

MacDougall, G. W., B.A., Montreal; Internoscia, J., Bapolla, Italy; Hogle Arthur, Sherbrooke, Q.; Dunlop, John, Montreal.

STANDING IN THE CLASSES.

LAW OF OBLIGATIONS.—Examiner, N. W. Trenholme, D.C.L., Dean of the Faculty.

*Second Year.*—Davidson and Hall, equal; Geoffrion; Cameron and Curran, equal; Harwood, Johnson; Jacobs and Glass, equal.

*First* " Walsh and Internoscia, equal; Hogle, Gamble; Cox and Ringland, equal; McDougall; Dunlop and Jones equal; Sheridan and Sawyer, equal; Lebeuf.

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CRIMINAL LAW.—Examiner, THE DEAN.

*Third Year.*—Ryan, Truell.

*Second* " Hall and Davidson, equal; Curran, Cameron; Jacobs and Geoffrion, equal; Johnson and Glass, equal.

*First* " Cox, Hogle, McDougall; Ringland and Internoscia, equal; Sawyer, Walsh; Jones and Dunlop and Lebeuf, equal.

INTERNATIONAL LAW.—Examiner, THE DEAN.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Hall, Cameron, Johnson, Jacobs, Geoffrion, Glass, Curran, Howard.

*First* " McDougall and Jones, equal; Cox and Gamble, equal; Walsh, Internoscia, Dunlop, Whelan, Hogle, Sawyer; Ringland and Lebeuf and Sheridan, equal.

CONSTITUTIONAL LAW.—Examiner, THE DEAN.

*Third Year.*—Ryan and Truell, equal.

*Second* " Davidson; Geoffrion and Hall, equal; Curran and Jacobs, equal; Harwood, Glass, Johnson. Passed, *aeger*, Cameron.

*First* " Gamble, Jones, Macdougall; Dunlop and Cox, equal; Sawyer and Hogle, equal; Internoscia, Walsh, Sheridan.

ROMAN LAW.—Examiner, THE DEAN.

*First Year.*—Jones and McDougall, equal; Gamble; Internoscia and Sawyer, equal; Cox, Dunlop; Walsh and Hogle, equal; Whelan; Sheridan and Ringland, equal.

LAW OF REAL ESTATE.—Examiner, Hon. J. S. C. WURTELE, D.C.L., Prof.

*Third Year.*—Truell, Ryan.

*Second* " Hall, Cameron, Harwood, Jacobs, Geoffrion, Curran, Davidson, Johnson, Glass.

*First* " Cox, Dunlop, Gamble, Internoscia, Ringland, Sawyer, Sheridan, Jones, Hogle, Whelan, Walsh, Macdougall, Lebeuf.

LAW OF INSURANCE.—Examiner, Prof. J. S. ARCHIBALD, M.A., D.C.L., Q.C.

*Third Year.*—Ryan, Truell.

*Second* " Curran, Geoffrion, Davidson; Glass and Harwood and Jacobs, equal; Johnson, Hall.

*First* " Jones, Macdougall, Cox; Hogle and Internoscia, equal; Dunlop, Gamble, Walsh, Sheridan, Sawyer.

COMMERCIAL LAW (*Agency and Partnership*).—Examiner, Prof. L. H. DAVIDSON, D.C.L., Q.C.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Cameron, Jacobs, Harwood, Curran, Johnson Geoffrion, Hall, Glass.

*First* " Internoscia, Cox, MacDougall, Ringland; Jones and Hogle, equal; Sawyer and Walsh, equal; Dunlop.

LAW OF CONTRACTS.—Examiner, Prof. C. A. Geoffrion, D.C.L., Q.C.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Geoffrion, Cameron; Hall and Johnson, equal; Jacobs and Harwood, equal; Curran and Glass, equal.

*First* " Cox, McDougall; Hogle and Internoscia and Dunlop, equal; Jones; Ringland and Sawyer, equal; Lebeuf and Walsh, equal.

LEGAL HISTORY AND BIBLIOGRAPHY.—Examiner, Prof. Arch. McGoun, M.A., B.C.L.

*Third Year.*—Ryan, Truell.

*Second* " Cameron, Hall, Davidson; Curran and Geoffrion, equal; Johnson, Jacobs, Harwood, Glass.

*First* " McDougall, Walsh; Cox and Dunlop, equal; Lebeuf, Sawyer, Hogle, Ringland, Internoscia.

CIVIL PROCEDURE.—Examiner, Prof. Fortin, LL.L., B.C.L.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Cameron, Hall, Curran, Geoffrion; Harwood and Jacobs, equal; Glass.

*First* " McDougall, Internoscia, Lebeuf, Dunlop; Hogle and Jones, equal.

NOTARIAL LAW.—Examiner, W. de M. Marler, B.A., B.C.L., Professor.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Hall, Curran, Harwood; Glass and Jacobs, equal; Geoffrion, Johnson; also *aeger*, Cameron.

*First* " Internoscia; Dunlop and Jones, equal; Cox, Gamble; Hogle and McDougall, equal; Walsh.

LAW OF SUCCESSIONS.—Examiner, the Hon. C. J. Doherty, B.C.L., Prof.

*Third Year.*—Ryan, Truell.

*Second* " Geoffrion; Davidson and Hall, equal; Johnson and Jacobs equal; Curran, Glass, Harwood: also Cameron, *aeger*.

*First* " McDougall, Jones, Internoscia; Walsh and Hogle, equal; Cox, Dunlop, Gamble, Sawyer, Sheridan, Lebeuf.

BANKING AND DOCUMENTS OF TITLE.—Examiner, Harry Abbott, B.C.L., Q.C., Professor.

*Third Year.*—Ryan and Truell.

*Second* " Davidson, Hall, Curran, Jacobs, Harwood, Glass, Johnson, Geoffrion. Cameron (*aeger*).

*First* " Gamble, Jones, McDougall, Cox; Dunlop and Sawyer, equal; Sheridan; Hogle and Walsh, equal; Internoscia.

MARRIAGE COVENANTS—Examiner, Eugène Lafleur, B.A., B.C.L., Prof.

*Third Year.*—Ryan, Truell.

*Second* " Davidson, Cameron, Geoffrion, Hall, Glass, Johnson, Jacobs.

*First* " Jones, MacDougall, Hogle, Cox, Internoscia; Dunlop and Gamble, equal; Walsh, Lebeuf.

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# FACULTY OF MEDICINE.

## MEDALS AND PRIZES.

The Holmes Gold Medal for the best Examinations in all the Branches comprised in the Medical Curriculum is awarded to Thomas Jameson.

The prize for the best Examination in the Final Branches is awarded to James Henderson.

The Prize for the best Examination in the Primary Branches is awarded to A. Davidson.

The Sutherland Gold Medal is awarded to A. Davidson.

The Clemesha Prize in Clinic Therapeutics is awarded to W. B. H. Massiah.

### PROFESSOR'S AND DEMONSTRATOR'S PRIZES.

Botany.....X. L. Anthony.
Zoology.....P. C. Leslie.
Clinical Chemistry.....J. Henderson.
Senior Anatomy.....L. Y. McIntosh.
Junior Anatomy.....W. W. Wickham. / F. L. Thomson.

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# FACULTY OF VETERINARY SCIENCE.

## PRIZES AND MEDAL.*

Veterinary Medicine and Surgery—Joseph Plaskett.
Anatomy—J D. McIntyre.
Diseases of Cattle—J. D. McIntyre.
Cynology—D. L. Bolger.
Zoology—C. French.
For the best general examination on all subjects (Silver Medal)—J. D. McIntyre

### SPECIAL PRIZES.

For the best essay read before the Veterinary Medical Association:
1st—D. L. Bolger, $15.
2nd—G. P. Wells, $10.
3rd—J. H. Seale, $5.

For the best essay read before the Society for the Study of Comparative Psychology (Book)—G. P. Wells.

Scholarship, $50.—For the highest aggregate obtained in second year subjects—Wilfred Plaskett.

Scholarship, $50.—For the highest aggregate obtained in first year subjects—C. French.

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* The Class Lists will be found in the special announcements of these Faculties.

# FACULTY OF ARTS.

GRADUATING CLASS

*B.A. Honours in Mathematics and Natural Philosophy.*

WOOD, ARTHUR B.—First Rank Honours and Anne Molson Gold Medal.

*B.A. Honours in Classics.*

KOLLMYER, W. HECTOR S.—First Rank Honours and Henry Chapman Gold Medal.

*B.A. Honours in Natural Science.*

CUSHING, H. B.—First Rank Honours and Logan Gold Medal, Prize in Botany.
MITCHELL, ROBT. J.—First Rank Honours.
TATLEY, ELEANOR.—First Rank Honours.

*B.A. Honours in Mental and Moral Philosophy.*

PITCHER, ETHELWYN.—First Rank Honours and Prince of Wales Gold Medal.
CAMPBELL, KATE M.—First Rank Honours and Medal Prize.
KOLLMYER, W. H. S.—First Rank Honours.
DAVEY, R. G.—First Rank Honours.

*B.A. Honours in English Language, Literature and History.*

MESSENGER, W.—First Rank Honours and Shakspere Gold Medal.
DRUM, LORNE.—First Rank Honours and Shakspere Medal Prize.
PARKER, E. G.—First Rank Honours.

*B.A. Honours in Modern Languages.*

ARCHIBALD E. W.—First Rank Honours and Lord Stanley Gold Medal.

*Special Certificates for First Rank General Standing.*

ROBINS, GEO. D.—Hiram Mills Gold Medal, with Special Certificate.
BARRON, ROBT. H.—Hiram Mill Medal Prize, with Special Certificate.
JAQUAYS, H. M.—Special Certificate.

*Early English Text Society's Prize.*

PARKER, E. G.

GORDON, JOHN S.—Prize for Collection of Plants.

THIRD YEAR.

SKEELS, A. A.—First Rank Honours and Prize in Classics; First Rank General Standing.
FAIRCLOUGH, L. M.—First Rank Honours in Classics.
MANSUR, C.—First Rank Honours in Natural Science; First Rank General Standing and Prize in Zoology.
GURD, C. C.—First Rank Honours in Natural Science.
LEE, M.—First Rank Honours in Natural Science.
JAMES, A.—First Rank Honours and Prize in English; First Rank General Standing and Prize in Zoology.
MCIVER, E. J.—First Rank Honours in English.
M.—First Rank Honours in English.

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Brown, J. T.—First Rank Honours and Prize in Mental and Moral Philosophy.
Boright, M.—First Rank General Standing; Prize in Latin; Prize in Mental Philosophy.
Jackson, A.—First Rank Honours and Prize in Modern Languages; First Rank General Standing.
Smardon, L.—First Rank Honours in Modern Languages.
Hickson, J. W. A.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing.
Killaly, H. N.—First Rank General Standing; Prize in English Literature and Rhetoric.
Donahue, W.—Second Rank Honours in English.
Townsend, W.—Second Rank Honours in English.
Millar, E.—Prize in English Literature and Rhetoric.
Farnsworth, A. H.—Prize in Hebrew.

THIRD YEAR.

PASSED THE SESSIONAL EXAMINATIONS.

Boright, Mansur, James, Skeels; Jackson and Hickson, equal; Brown (J. T.), Killaly, Mahaffy, Smardon, Gordon, Honeyman, Gurd, Millar, Lee, Angus, Thomson, Brittain, Farnsworth, Townsend, MacIver, Fairclough; Brown and Seymour, equal; McVicar (A.); McDonald and McGerrigle, equal; Munn, Robertson; Donahue and Dresser, equal; Hutchison, Sadler, Patterson, Pratt, Internoscia, McVicar (R.).

SECOND YEAR.

Smith, A.—First Rank Honours and Prize in Mathematics; First Rank General Standing, Prize in Logic.
Davis, D. T.—First Rank General Standing; Prizes in Classics; Prize in English; Prize in French.
Graham, A.—First Rank General Standing; Prize in Botany, and Second Prize in English.
Blackett, J.—First Rank General Standing.
Bickerdike, F. A. C.—Prize in Latin.
Ogilvy, Isabella.—Prize in English.
Warner, Agnes L.—Prize in Logic; Prize in Botany.
Gyde, Lilian K.—Prizes in Classics; Prize in French.
Day, F. J.—Prize in Hebrew.

PASSED THE SESSIONAL EXAMINATION.

Smith, Davis, Graham (A.), Blackett, Day, Ogilvy (I.), Bickerdike; Barlow and Gyde, equal; Dickson (S.M.), Dickson (E. H. T.), Graham (F.H), Warner, Duclos, McKenzie, Lewis, Craig (M.), Stewart, Hanran, Harvey, Boyd and Brown, equal; Hargrave, Shaw, Naylor, Garrett, McGregor Ireland; Bond *s*, Bremner *s*, Fraser *s*, McKeracher *s*, Ogilvy (Ch.) *s*.
*s*.—With Supplemental in one subject—(alphabetically arranged).

FIRST YEAR.

Howard, E. Edwin (Inverness Academy, Q.).—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prizes in Classics; Prize in Chemistry; Prize in English.

TRAVIS, KATHARINE (Victoria High School, St. John, N.B.).—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in Chemistry; Prizes in Latin and Roman History; Prize in English; Prize in French; Coster Memorial Prize.

MCINTOSH, MAJOR (Prince of Wales College, P.E.I.).—First Rank Honours and Prize in Mathematics; First Rank General Standing; Coster Memorial Prize.

WALLACE, JAMES M. (Kemptville High School).—First Rank Honours and Prize in Mathematics; First Rank General Standing.

WATSON, ROSALIND (Huntingdon Academy).—First Rank Honours and Prize in Mathematics; First Rank General Standing.

YOUNG, HENRY (Almonte High School, O.).—Second Rank Honours in Mathematics.

WATT, JAMES C. (Almonte High School, O.).—Second Rank Honours in Mathematics; First Rank General Standing.

WHITEAVES, A. M. (Ottawa Col. Inst., O.).—First Rank General Standing. Prize in German.

BURNETT, A. (Grande Ligne Inst.).—First Rank General Standing; Prize in French.

CAMERON, S. E. (Baddeck, Cape Breton.).—First Rank General Standing.

KEITH, W. D. (Glencoe H.S.).—Prize in Hebrew.

PASSED THE SESSIONAL EXAMINATION.

Howard, MacIntosh (M.), Travis, Watson, Wallace, Whiteaves, Burnett, Watt, Cameron, Rogers, Young (H.), Sutherland, Crombie, Keith, LeRoy, Armstrong (Ethel), MacIntosh (J.), Dyer, Worth, Levy, Hanson, Tooke, Armstrong (E.N.) *s*, Cushing *s*, Davidson *s*, Fourney *s*, Gilmour *s*, Hickson *s*, Smyths, Symmes *s*, Trenholme *s*, Weir *s*, Young (Stephen) *s*, *s*.—With supplemental Examinations in one subject—(arranged alphabetically)

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## SESSIONAL EXAMINATIONS, 1891.

## McGILL COLLEGE.

*The mark* in the following list indicates Partial or Occasional Students.*

GREEK.

B.A. ORDINARY.—*Class I.*—Barron and Kollmyer and Robins, equal; Ross (R. O.), McAlpin; Blachford and Reeves, equal. *Class II.*—Williams, Taylor, Mackenzie, MacLennan. *Class III.*—Craik and Brown, equal; Colquhoun, Pritchard, McLeod, Hamilton, Jekill.

THIRD YEAR.—*Class I.*—Skeels *Prize*); Mahaffy, Fairclough. *Class II.*—Gordon, Farnsworth, McGerrigle. *Class III.*—Brown (C. L.) and Thompson and Townsend, equal; Sadler and Hunt, equal; Russell, Patterson; Hutchison and Robertson, equal; Honeyman; McCoy and McIver, equal Brittain, Dresser, Muir.

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SECOND YEAR.—*Class I.*—Davis (*Prize*); Gyde (*Prize*); Bickerdike and Graham (A.), equal; Blacket and Smith, equal; Barlow, Graham (F. H.), Day; *Class II.*—Hanran, Dickson (T.), McKeracher; Craig (M.) and Dickson (S. M.), equal; Bond. *Class III.*—Boyd, Ogilvy, Lewis; Duclos and Lambly, equal; Bremner, Garrett, Harvey; Fraser and Ireland and McGregor, equal; Naylor, Stewart.

FIRST YEAR.—*Class I.*—Howard (*Prize*); Burnet, McIntosh (M.), Watson, Armstrong (E. N.); Travis and Watt, equal; Young (H). *Class II.*—Keith; Cameron and LeRoy, equal; McIntosh (J.), McEwen, McFarlane; Hickson and Young (S.) and Wallace, equal; Sutherland, Worth. *Class III.*—Crombie and Davidson, equal; Levy, Gilmour, Fourney, Rogers; Mount and Smyth and Tooke and Weir, equal; Trenholme and Symmes, equal; Hamilton and Mitchell, equal; Hanson. Coffin.

LATIN.

B.A. ORDINARY.—*Class I.*—Kollmyer, Robins, Barron, Campbell; Pitcher and Raynes, equal. *Class II.*—Macdonald, Reeves; Davidson and Jaquays, equal. *Class III.*—Carmichael and Mewhort, equal; MacLennan, Smyth, Leach; Graham and Guthrie, equal; Lyman, Ross (Jessie K).

THIRD YEAR.—*Class I.*—Boright (*Prize*); Skeels, Hickson; Angus and James, equal; Mansur; Fairclough and Millar, equal; Honeyman and Seymour, equal; Gurd; Killaly and Mahaffy, equal. *Class II.*—Donahue, Jackson; Lee and Smardon, equal; Brittain; Dresser and Farnsworth, equal; Pratt, Munn. *Class III.*—McDonald, McVicar (R.), Internoscia.

SECOND YEAR.—*Class I.*—Bickerdike (*Prize*) and Davis (*Prize*) and Gyde (*Prize*); equal; Blacket and Graham (A.), equal; Ogilvy (J.), Barlow; Day and Graham (F. H.) and McKenzie and Smith and Warner, equal. *Class II.*—Dickson (T.), Hanran; Dickson (S. M.) and Duclos, equal Lewis; Shaw and Stewart, equal. *Class III.*—Craig (M.) and Garrett, equal; Boyd and Ireland and Lambly, equal; Hargrave and Harvey, equal; Ogilvy (C.), McKeracher; Bond and McGregor, equal; Brown and Naylor, equal.

SECOND YEAR.—(*Latin Prose Composition*).—*Class I.*—Bickerdike and Davis and Graham (A.), equal; Blacket and Smith, equal; Gyde, Graham (F.H.). *Class II.*—Lewis and Dickson (S. M.) and Dickson (T.), equal; Barlow, Day; Ireland and McGregor and McKenzie, equal; Hargrave, Warner, Ogilvy (J.), Hanran. *Class III.*—Bremner, Brown; Bond and Boyd and Garrett and Shaw, equal; Stewart, Naylor, Craig (M.), Duclos, Harvey.

FIRST YEAR.—*Class I.*—Howard (*Prize*) and Travis (*Prize*), equal; McIntosh M., Savage, Burnet, Watt, Watson, Cameron, Whiteaves, Crombie; Keith and Rogers and LeRoy and Wallace, equal. *Class II.*—Armstrong (E. N.) and Hickson and McIntosh (J.), equal; McEwen, Young (H.), Armstrong (E.), Davidson; Trenholme and Young (S.), equal; Worth. *Class III.*—Mount and Sutherland, equal; Pettes; Fourney and Mitchell, equal; White, Anderson, Smyth; Gilmour and Tooke, equal; Hanson; Levy and Weir, equal; Cushing, Terryberry.

ROMAN HISTORY AND LITERATURE.

FIRST YEAR.—*Class I.*—Travis (*Prize*); Howard and McIntosh (M.), equal; Cameron and Watson, equal; Savage, Burnet, Mitchell, Crombie, Rogers; Armstrong (E. N.) and Trenholme, equal; Anderson and Armstrong (Ethel), equal; Cushing; Watt and Whiteaves, equal. *Class II.*—Hickson and Wallace, equal; Davidson and McEwen and McIntosh (J.), equal; Weir; Hamilton and Rollit, equal; Sutherland and Rickey and Worth, equal; Tooke, Young (H.) *Class III.*—Hanson, LeRoy; Levy and Symmes, equal; Keith, Young (S.), Pettes, McNaughton, Martin, Gilmour, Fourney, Smyth.

MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—(*Moral Philosophy*).—*Class I.*—Pitcher, Barron, Kollmyer, Campbell; Mackenzie and Robins. equal; Reeves; Davey and Macdonald, equal; Whyte; Parker and Ross (R. O.), equal; Blachford, Tatley, Raynes, Guthrie; Drum and Taylor, equal; Jaquays and *McKinley and MacLennan, equal. *Class II.*—*McArthur, Mewhort, Hamilton, *Barnby, McLeod, Anderson; Brown and *Burke and Leach and Messenger, equal; Carmichael and McAlpine, equal; *Burnett; Jekill and Lyman and *Morrison, equal. *Class III.*—Williams, Colquhoun, Pritchard, *Robinson, Allen, *Jones, *Sanderson, Ross (J. K.), Davidson, Craik, Graham, *Logan, Smyth, *Beattie, *Wilkinson, *Lee (H.), *Huxtable.

THIRD YEAR.—*Mental Philosophy.*—*Class I.*—Boright and Hickson, equal; Mansur, Brown (J. T.), Killaly, Lee (M.), Gordon. *Class II.*—*Sadler, Honeyman, Mahaffy; *MacIver and MacVicar (A.), equal; *Grisbrook, *Strong; Dresser and Humphreys, equal; Hunt and McCoy and *Westgate, equal; *Jackson (J. A.) and Macdonald, equal. *Class III.*—*Read, Townsend, MacVicar (R.), Russell, Donaldson; Internoscia and Robertson and Thompson, equal; Smith, *Sanderson, *Robinson; Hutchison and Pratt, equal; *Lee (H.), Donahue, *Fairbairn, Patterson, *Mervyn, *Elliott, *Truax, Wright.
*Prizes :*—Hickson, Brown (J. T.), Boright.

SECOND YEAR.—*Logic*—*Class I.*—Smith (*Prize*); Graham (A.) and Warner, (*Prize*) equal; Davis and Dickson (E. T.), equal; Brown (J. L.); Day and Humphreys and Gyde, equal; Stewart; Barlow and Brown (Jessie) and Duclos, equal. *Class II*—Harvey, Peever, Ogilvy (I.); Gilmore and Naylor and Mackeracher, equal; Graham (F. H.) and Lewis, equal. *Class III.*—Blacket, Fairbairn; Bickerdike and Boyd and Westgate and Mackenzie, equal; Brown (T.) and Fraser and Jackson and Mathers, equal; Garrett and Lambly and Sing and Craig, equal; Ogilvy (C.); Bond and Dickson (S. M.), equal; Hanran; McGregor and Shaw, equal; Calvert; Bremner and McConnell, equal; Hargrave, Stevens, Ascah; Beattie and Lee, equal.

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EUROPEAN HISTORY.

B.A. ORDINARY.—*Class I.*—Messenger and Drum, equal; Parker, Mitchell, Macdonald (M.L.), Blachford, Lyman, Raynes, Mewhort. *Class II.*—Whyte, Mackenzie, Ross (R.O.), Leach, Taylor Hamilton, Williams. *Class III.*—MacLennan, Jekill, Ross (J. K.), Colquhoun, Davidson, Pritchard, Craik, Guthrie.

CANADIAN HISTORY.

B.A. ORDINARY.—*Class I.*—Archibald and Drum and Messenger, equal; Mitchell and Parker, equal; Blachford; Ross (R.O) and Taylor, equal; MacKenzie and White and Williams, equal. *Class II.*—Carmichael and Colquhoun and Jekill, equal; Hamilton, McLennan, Pritchard. *Class III.*—None.

*Class I.*—Lyman and Ross (J. K.), equal; Macdonald, Davidson, Mewhort, Raynes. *Class II.*—Leach.

ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Millar (*Prize*); James, Killaly (*Prize*); Gordon, Townsend, McIver. *Class II.*—Skeels; Gurd and Lee and Read, equal; Seymour, Brown, Brittain, Russell, Donahue; Hutchison and Munn and Smith, equal; Hunt and Macdonald, equal. *Class III.*—McGerrigle, Internoscia, Mervyn, McVicar, Patterson, Grisbrooke.

ENGLISH LITERATURE AND EUROPEAN HISTORY.

SECOND YEAR.—*Class I.*—Davis (*Prize*); Graham (A.), Mackeracher, Ogilvy (I.) (*Prize*); Day; Craig and Gyde, equal; Smith; Bickerdike and Lewis, equal; Barlow and Mackenzie, equal; Dickson (S.) and Warner, equal; Blackett. *Class II.*—Craig (M.), Gilmore, Fraser; Graham (F. H.) and Hanran, equal; Naylor; Dickson (E. T.) and Harvey and Ireland and Stewart, equal; Boyd and Duclos, equal; Brown (J.); Bremner and Hargrave, equal; Ogilvy (C.) and Shaw, equal. *Class III.*—Coffin and Donaldson, equal; Lambly and Strong, equal; Garrett and Gregor, equal.

ENGLISH LITERATURE.

FIRST YEAR.—*Class I.*—Howard (*Prize*), MacIntosh (M.); Travis (*Prize*) and Trenholme, equal. *Class II.*—Armstrong (E.) and Cameron, equal; Burnet and Roger and Sutherland, equal; Whiteaves; Brown and LeRoy, equal; Savage; Millar and Worth, equal; Fourney and Hickson and Watt, equal. *Class III.*—Crombie and MacIntosh (J.), equal; Watson, Weir, Dyer, Armstrong (E. A.); Ascah and Levy and Tooke and Wallace, equal; Smyth; Keith and Cushing, equal; Campbell and McNaughton, equal; Mitchell, Hamilton and Hanson and Mount and Sims, equal; Gilmore and Rollit and White, equal; Buker; Martin and Young (H.), equal; Anderson; Rickey and Waterson, equal; Davidson and McEwen and Terryberry, equal.

MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Robins, Barron, Jaquays, Taylor. *Class II.*—Whyte, Mackenzie, Allen; Cushing and Guthrie, equal; McLeod and Smyth, equal. *Class III.*—Raynes, Graham; Anderson and Davey and MacDonald (M. L.), equal; Blachford; Williams and Leach, equal; Colquhoun, Davidson, Mewhort, Lyman, Carmichael, Ross.

THIRD YEAR.—*Class I.*—Boright, Mansur. *Class II.*—Brown (J. T.), Hickson Fairclough; Gurd and MacVicar (A.), equal; McGerrigle, Killaly, Honeyman. *Class III.*—Muir, Gordon, Brittain; Internoscia and Lee, equal; Brown (C. L.), Farnsworth, Dresser, Macdonald (J. H.), Sadler; McCoy and Miller, equal; Angus, Skeels; MacVicar (R.) and Munn.

ASTRONOMY AND OPTICS.

B.A. ORDINARY.—*Class I.*—Wood, Barron, Robins, Jaquays, Whyte, Taylor. *Class II.*—Allen. *Class III.*—Graham, McLeod.

THIRD YEAR.—*Class I.*—Brown (J. T.). *Class II.*—McGerrigle, Sadler. *Class III.*—Fairclough.

EXPERIMENTAL PHYSICS (*Light and Heat*).

B. A. ORDINARY.—*Class I.*—Robins, Wood. *Class II.*—Whyte. *Class III.*—MacKenzie, Smyth, Williams, Anderson, Allen, Carmichael, Colquhoun. (*Electricity and Sound*). *Class III.*—McLeod (N. A.), Guthrie.

THIRD YEAR.—*Class III.*—McVicar (*A*).

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Smith, Blackett. *Class II.*—Ogilvy (J.), Barlow Harvey; Dickson (S. M.) and Davis and Day, equal; Dickson (E. T.) and Fraser and Graham (A.) and Stewart and Craig, equal; Boyd and Lewis, equal; Duclos. *Class III.*—Gyde, Naylor, Bickerdike, Ogilvy (C.); Hanran and Warner, equal; Lambly, Graham (F. H.), Ireland; Garrett and Hargrave, equal; Bremner and McGregor and Brown (J.), equal; McKeracher and Mackenzie, equal; Bond and Shaw, equal.

TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Smith. *Class II.*—Day, Blackett, Ogilvy (J.), Dickson (S. M.); Davis and Graham (F. H.), equal. *Class III.*—Harvey; Bickerdike and Naylor, equal; Dickson (E. T) Bremner and Stewart equal; Barlow and Craig, equal; Graham (A.) and McGregor, equal; Boyd and Ogilvy (C.) and Shaw, equal; Ireland; Brown (J.) and Warner, equal; McKeracher; Fraser and Lewis, equal; Lambly, Hanran, Duclos, Garrett, Bond, Hargrave, Gyde, Mackenzie.

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GEOMETRY AND ARITHMETIC.

FIRST YEAR.—*Class I.*—Howard and McIntosh (M.), equal; Rogers and Travis and Watson, equal; Young (H.), Watt, Wallace, Whiteaves, Armstrong (Edgar); Burnett and Sutherland, equal; Cameron. *Class II.*—Dyer, Hanson, Hickson, Campbell, LeRoy, Young (S.), Gilmour (F. H.), Weir, Keith, McIntosh (J.). *Class III.*—Symmes, Tooke, Smyth; Terryberry and White, equal; McNaughton; Fourney and Pettes and Worth, equal; Armstrong (Ethel), Davidson, Rickey, Hamilton, Martin; Crombie and Levy, equal; Cushing, Mitchell.

TRIGONOMETRY AND ALGEBRA.

FIRST YEAR.—*Class I.*—Howard; McIntosh (M.) and Whiteaves, equal; Roger and Wallace, equal; Crombie and Watson, equal; Travis and Young (H.), equal; Watt, Cameron, Sutherland. *Class II.*—Dyer and Hickson and LeRoy, equal; Worth, Levy; Armstrong (Edgar) and Keith, equal; Terryberry, Hanson. *Class III.*—Davidson and Fourney, equal; Burnett; Symmes and White, equal; Smyth, Tooke, Weir, Young (S.), Hamilton, Gilmour (F. W.), Trenholme; Armstrong (Ethel) and Rickey, equal; Martin, McNaughton, McIntosh (J.), Campbell.

HONOUR EXAMINATIONS IN MATHEMATICS AND NATURAL PHILOSOPHY.

B. A.—*First Rank Honours.*—Wood (Arthur B.); Ann Molson Gold Medal.

SECOND YEAR.—*First Rank Honours.*—Smith (A.), (*Prize*).

FIRST YEAR.—*First Rank Honours.*—Howard (*Prize*), Travis (*Prize*), Wallace (*Prize*), McIntosh (*Prize*), Watson (*Prize*).
*Second Rank Honours.*—Young (Henry), Watt.

FRENCH.

B. A. ORDINARY.—*Class I.*—Archibald, Barron, Robins, Mewhort, Davidson, Raynes, Smyth. *Class II.*—Lyman, Jaquays, Blachford, Brown. *Class III.*—Graham, Leach.

THIRD YEAR.—*Class I.*—Jackson (*Prize*); Smardon, Boright, Skeels, James, Millar, Angus, Honeyman. *Class II.*—Brown and Hickson, equal; Brittain, Munn. *Class III.*—Gurd, Lee, Sadler.

SECOND YEAR.—*Class I.*—Davis, *Prize*); Bickerdike, Gyde, Blacket, Ogilvy (Is.) Duclos, Barlow, Brown. *Class II.*—Mackenzie, Hargrave; Ogilvie (Chs.) and Warner, equal; Lambly; Dickson (S. M.) and Shaw, equal; Mackeracher, Hanran; Dickson (E. T.) and Fraser, equal; Lewis and Craig, equal; Boyd, Bond.

FIRST YEAR.—*Class I.*—Savage; Burnet, (*Prize*) and Travis, (*Prize*), equal. *Class II.*—Johnson, Levy, Armstrong (E. M.); Howard and Watson, equal; Cameron, Armstrong (E.), Carter, Hart; McIntosh and Whiteaves, equal; Dyer. *Class III.*—Vaughan. Tooke, Hanson; Cushing and Fourney, equal; Hickson, Smyth, McNaughton, Anderson, Trenholme, White, Davidson, LeRoy, Symmes, Rickey, Campbell.

GERMAN.

B. A. Honours.—*Class I.*—Archibald.

Third Year.—Honours.—*Class I.*—Jackson, Smardon.

Third Year Ordinary.—*Class I.*—Angus, Jekill. *Class II.*—Seymour.

Second Year.—*Class I.*—Smith, Ogilvy, Mackenzie. *Class II.*—Shaw. *Class III.*—Hargrave, Brown, Warner, Garrett, Harvey.

First Year.—*Class I.*—Whiteaves, (prize) Johnson, Watt, Armstrong, Cushing. *Class II.*—Young, Rogers, Levy. *Class III.*—McEwen, Anderson, Waterson, LeRoy.

HEBREW.

B.A. Ordinary.—*Class I.*—Ross (R. O.), McAlpine, Reeves, Anderson (J. D.). *Class II.*—Pritchard, McLeod (M.A.). *Class III.*—Craik, Beattie, Hamilton (D. S.), Guthrie.

Third Year.—*Class I.*—Farnsworth (*Prize*), Thompson (J.), Gordon, Read. *Class II.*—Robertson (A. J.), Grisbrook. *Class III.*—Pratt.

Second Year.—*Class I.*—Waller, Day (*Prize*), Vaughan, Graham (Angus). *Class II.*—Burke. *Class III.*—McGregor and Graham (F. H.), equal; Bremner, Truax, Stewart (J. C.), Maynard (J. L.); Mervyn and Ireland, equal; Naylor.

First Year.—*Class I.*—Brown (J. L.), Gilmore (Geo.), McConnell, Keith (*Prize*), Sutherland; Brandt and Charles, equal; Wallace, Bucker, Worth; Crombie and MacIntosh, equal. *Class II.*—Calvert and Jackson, equal; Mathers, Lamert, Mount; Biron and Terryberry, equal; Walker and Martin (D. E.) and Gilmore (T. W.), equal. *Class III.*—Hamilton (W. J.), Weir (Geo.), Rollit; Mitchell (A ) and Brown (Thomas), equal; Scott (Th.), Armstrong (S.).

GEOLOGY.

B.A. Ordinary.—*Class I.*—Barron, Cushing, Tatley, Ross (R.O.), Brown (D.) Raynes; Blatchford and Jaquays, equal; Taylor, Mitchell, McArthur,* Colquhoun, Graham, McKenzie; Lyman and Williams, equal; McLennan, Pritchard. *Class II.*—Smyth; Davidson and Hamilton and Ross (Jessie K.), equal; Carmichael; Craik and Wilkinson, equal; McDonald and Leach equal; Jones and Mewhort and Reeves, equal; Logan,* Barnby, McAlpine, Burnett, Jekill, Allen and Beatty,* equal.

* Partial and Occasional.

ADDITIONAL GEOLOGY.

*Class II.*—Brown, McAlpine, Ross (J. K.).

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ZOOLOGY AND PALÆONTOLOGY.

THIRD YEAR.—*Class I.*—Mansur (*Prize*) ; Gurd and James, equal (*Prize*) ; Gordon ; Kilaly and McConnel,* equal ; Angus and Brittain and Mathers equal ; Lee and Peever, equal ; Boright and Smith, equal ; McDonald and Munn, equal. *Class II.*—Brown (J. L.), Smardon, McCoy, Honeyman, Patterson, Hickson, Jackson ; Thompson and Warren,* equal ; Hunt and Robertson and Russell and Sing and Skeels, equal ; Calvert and McVicar (A.), equal ; Dresser, Townsend ; Mahaffy ; and Miller (E.), equal ; Brown (C. L.) and McIver, equal ; Sadler, McGearigle, Coffin,* Hutchinson, Sanderson,* Brown* )T.), Seymour. *Class III.*—Donahue and Pratt, equal ; Humphrey* and Muir, equal ; McVicar (R M.) and Strong,* equal ; Mervyn, Miller (R.),* Parrish.*

* Partial and Occasional.

BOTANY.

SECOND YEAR.—*Class I.*—Graham, Angus (*Prize*) ; Davis, Warner (*Prize*) ; Barlow, Dickson (S.M.,) Ogilvie (Isa). *Class II.*—Day, Gyde ; Fraser and Graham (F. H.), equal ; Hargrave ; Bickerdike and Duclos and McGregor, equal ; Ogilvy (Chas.) and Brown, equal ; Craig, Harvey, Stewart ; Blackett and Bremner and Mackenzie, equal ; Dickson (E. H. T.). *Class III.*—Gilmore,* Boyd, Garrett, Bond, Shaw (S. L.), Ireland, Lewis, Naylor, McKeracher, Hanran.

CHEMISTRY.

FIRST YEAR.—*Class I.*—Howard (*Prize*), Wallace ; Travis (*Prize*) and Crombie, equal ; McIntosh (M.), Watson, Burnet. *Class II.*—Cameron and Keith and Vaughan, equal ; Sutherland, Young (H.), Trenholme, Levy. *Class III.*—Rogers, MacIntosh (J.), Symmes, Ascah, Armstrong (E.) ; Massicotte and Tooke and Whiteaves, equal ; Watt, Hanson, Jones ; Cushing and McNaughton and White, equal ; Anderson (C.) and Young (S.), equal ; Campbell and Le Roy and Worth, equal ; Dyer, McEwen, (D.), Waterson.

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WICKSTEED MEDALS FOR PHYSICAL CULTURE.

*Silver Medal*, A. B. Wood.
*Bronze Medal*, S. M. Dickson.

*Honourable Mention* { H. M. JAQUAYS. / W. H. SMYTH. } equal.

DONALDA PRIZES FOR PHYSICAL CULTURE.

Kate M. Campbell, Senior Prize ; Katherine Travis, Junior Prize.

ELOCUTION PRIZES.

Maud Whiteaves, George Whyte.

PASSED IN ELOCUTION.

*Class I.*—Whiteaves (*Prize*) and Whyte (*Prize*), equal; Campbell and McLea, equal; Muir, Howard, McKeracher, Keith; Boright and Reid and Smith, equal; Brittain, Lee. *Class II.*—None. *Class III.*—None.

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## MORRIN COLLEGE.

B.A. ORDINARY.

ASTRONOMY AND OPTICS.—*Class I.*—None. *Class II.*—Livingstone, Lindsay, Tanner. *Class III.*—None.

MECHANICS AND HYDROSTATICS.—*Class I.*—None. *Class II.*—Livingstone. *Class III.*—Lindsay, Tanner.

HEBREW.—*Class I.*—Livingstone and Lindsay, equal; Tanner. *Class II.*—None. *Class III.*—None.

MORAL PHILOSOPHY.—*Class I.*—Livingstone. *Class II.*—Tanner. *Class III.*—None.

HISTORY.—*Class I.*—Livingstone, Tanner.—*Class II.*—Lindsay.—*Class III.*—None.

INTERMEDIATE EXAMINATION.

GREEK.—*Class I.*—Harper, Lee. *Class II.*—Moffatt. *Class III.*—Fraser and Polley, equal.

LATIN.—*Class I.*—Harper. *Class II.*—Lee and Moffatt, equal. *Class III.*—Fraser and Polley, equal.

LATIN PROSE COMPOSITION.—*Class II.*—Harper. *Class III.*—Moffatt, Lee, Fraser Polley.

GEOMETRY AND ARITHMETIC.—*Class I.*—None. *Class II.*—Moffatt, Fraser. *Class III.*—Harper, Polley.

TRIGONOMETRY AND ALGEBRA.—*Class I.*—Fraser. *Class II.*—None. *Class III.*—Lee, Moffatt, Harper, Polley.

FRENCH.—*Class I.*—None. *Class II.*—Harper. *Class III.*—Moffatt, Lee, Fraser.

HEBREW.—*Class I.*—Polley (J. T.).

LOGIC.—*Class I.*—Harper, Fraser, Moffat. *Class II.*—Lee. *Class III.*—Polley.

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## ST. FRANCIS COLLEGE.

INTERMEDIATE EXAMINATION.

GEEEK.—*Class I.*—None. *Class II.*—Dunkerly.

UNIVERSITY LIBRARY

LATIN.—*Class I.*—Dunkerly.

LATIN PROSE COMPOSITION.—*Class I.*—None. *Class II.*—None. *Class III.*—Dunkerly.

LOGIC.—*Class I.*—Dunkerly.

GEOMETRY AND ARITHMETIC.

*Class I.*—None. *Class II.*—Dunkerly. *Class III.*—None.

TRIGONOMETRY AND ALGEBRA.

*Class I.*—None. *Class II.*—Dunkerly. *Class III.*—None.

FRENCH.

*Class I.*—None. *Class II.*—Dunkerly. *Class III.*—None

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## STANSTEAD WESLEYAN COLLEGE.

FIRST YEAR.

GREEK.—*Class I.*—None. *Class II.*—Gustin. *Class III.*—None.

LATIN.—*Class I.*—None. *Class II.*—Gustin, McAmmond. *Class III.*—Vipond.

ROMAN HISTORY.—*Class I.*—McAmmond. *Class II.*—None. *Class III.*—Gustin, Vipond.

FRENCH.—*Class I.*—None. *Class II.*—Gustin, Vipond. *Class III.*—McAmmond.

GEOMETRY AND ARITHMETIC.—*Class I.*—Gustin, McAmmond. *Class II.*—Vipond. *Class III.*—None.

TRIGONOMETRY AND ALGEBRA.—*Class I.*—Gustin, McAmmond. *Class II.*—Vipond. *Class III.*—None.

CHEMISTRY.—*Class I.*—McAmmond, Vipond, Gustin.

ENGLISH.—*Class II.*—Gustin, McAmmond, Vipond.

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## FACULTY OF APPLIED SCIENCE.

GRADUATING CLASS.

JOHN MURRAY MCGREGOR.—British Association Gold Medal; First Rank Honours in Natural Science; Honours in Metallurgy, Assaying and Designing.

GEORGE SINCLAIR SMITH.—Stanley Silver Medal; Prize for Summer Report; Honours in Designing, Steam, Machine Design.

PETER HENRY LE ROSSIGNOL.—Honours in Chemistry and Assaying, Mineralogy and Metallurgy.

CHARLES B. KINGSTON.—Honours in Assaying and Metallurgy.

WILLIAM EDWARD BOUSTEAD.—Honours in Chemistry and Assaying, and Mineralogy.

JAMES TIGHE.—Prize for Summer Report.

JAMES GEORGE R. WAINWRIGHT.—Honours in Designing.

WILLIAM HENRY WARREN.—Peter Wright First Workshop Prize.

WALTER CHAMBLET ADAMS.—Prize for Collection of Insects.

THIRD YEAR.

James Alexander MacPhail.—Scott Exhibition of $60.00; Prizes in Mathematic and Descriptive Geometry.
Louis Greenberg.—Prize in Theory of Structures; Prize for Transit Work.
Alexander Scott Dawson.—Prize for Transit Work.
David A. Murphy.—Prize in Mechanical Drawing.
Henri Herdt.—Prize in Geology.
Louis Herdt.—Prize in Theory of Structures.
James Albert Stevenson.—Prize for Levelling.

PASSED THE SESSIONAL EXAMINATIONS.

### Civil Engineering.

James Alexander MacPhail, Orwell, P.E.I.;
Louis Greenberg, Montreal.
Alexander Scott Dawson, Pictou, N.S.
Thomas M. McLeod, Georgetown, P.E.I., and Leonard Lee Street, Fredericton, N.B., equal.
Arnold James Ryan Rouses Point, N.Y.
*James Albert Stevenson, South Granby, Que.
*Alphonse M. A. Robert, Ottawa.

### Mechanical Engineering.

Louis Herdt, Montreal.
David A. Murphy, Montreal.
Robert Claude Holman, Summerside, P.E.I.
William Pitt Laurie, Quebec.
John Andrew Burns, Montreal.
Arthur W. K. Massey, Montreal.
Lincoln Simpson, Cavendish, P.E.I.

### Mining Engineering.

Henri Herdt, Montreal; John Hamilton Featherston, Montreal.

### Practical Chemistry.

Howard Turner Barnes (*aegrotat*), Montreal.

SECOND YEAR.

WILLIAM A. DUFF.—British Association Prize.

HERBERT HAROLD SHAW.—British Association Prize.

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*Supplemental in one Subject.

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JOSEPH KAYE HENRY.—Prizes in Mathematics and Experimental Physics.
ARTHUR R. HOLDEN.—Prizes in Mathematics and Descriptive Geometry.
ALEXANDER BRODIE.—Prizes in Chemistry and Botany.
FRANK H. PITCHER.—British Association Prize in Chemistry.
HERBERT MOLSON.—Prizes in Botany and French.
JOHN WILLIAM MORRIS.—Prize in Mechanical Drawing.
ORTON EDWARD S. WHITESIDE.—Prizes in Zoology and Experimental Physics.
ALFRED COLLYER.—Peter Wright Second Workshop Prize.

PASSED THE SESSIONAL EXAMINATIONS.

### Civil Engineering.

ROBERT A. GUNN, Montreal.
*JOHN KIMBALL SCAMMELL, St. John, N.B.

### Electrical and Mechanical Engineering.

HERBERT HAROLD SHAW, Brackley Point, P.E.I.
WILLIAM ALEXANDER DUFF, Montreal.
FRANK HENRY PITCHER, Montreal.
EDWARD DARLING, Montreal.
ARTHUR R. HOLDEN, B.A., Montreal.
CHAS. HENRY B. LONGWORTH, Charlottetown, P.E.I.
JOHN WM. MORRIS, Wallace, N. S.
ARTHUR LANGLEY MUDGE, Montreal.
JOS. KAYE HENRY, B.A., Sennett, Cayuga Co., N.Y.
ALFRED COLLYER, Sussex, Eng.
LEONARD WM. E. DYER, Montreal.
JAS. SHEARER COSTIGAN, Montreal.
WALTER MOFFATT SCOTT, Charlottetown, P.E.I.
*ROBT. DAVID NAAS, Lunenburg, N. S.
JOHN HERBERT LARMONTH, Ottawa.

### Mining Engineering.

ORTON EDWARD S. WHITESIDE, Metcalfe, Ont..
ARTHUR AUGUSTUS COLE, B.A., Montreal.
*WILLIAM WILSON LEACH, Montreal.

### Practical Chemistry.

ALEXANDER BRODIE, Quebec.
HERBERT MOLSON, Montreal.
MATTHEW FRANCIS CONNOR, Ottawa.

*Supplemental in one Subject.

FIRST YEAR.

ROBERT OWEN KING.—Peter Wright First Workshop Prize; Prizes in Mathematics and Chemistry.
NORMAN SCHURMAN.—Fleet First Workshop Prize.
FRANCIS ALFRED WILKIN.—Prize in Mathematics.
HUGH C. BAKER.—Fleet Second Workshop Prize; Prize in Descriptive Geometry.
RALPH BAYLIS MCDUNNOUGH.—Prize in Chemistry.
WILLIAM FORREST ANGUS.—A. Parker First Workshop Prize.
HENRY R. TRENHOLME.—A. Parker Second Workshop Prize.

PASSED THE SESSIONAL EXAMINATIONS.

Robert Owen King, Montreal.
Norman Schurman, North Bedeque, P.E I.
Ralph Baylis McDunnough, Montreal.
William Currie, Montreal.
Francis Alfred Wilkin, Calgary, N.W.T.
*George Dewar McDougall, Amherst, N.S.
Wm. Frederick Carter, Cowansville, Que.
Wm. Forrest Angus, Montreal.
Orobio Chandler Hart, Cowansville.
Frederick Simeon Clements, Upper Kingsclear, N.B.
Hugh C. Baker, Montreal.
Alexander R. Greig, Montreal.
Alfred Scott, Port Hope.
John Primrose, Pictou, N.S.
Sampson Paul Robins, Montreal.
*Thomas Henry Plummer, Toronto.
John Cole Gwillim, Winnipeg.
*Frederick Mark Becket, Montreal.
Henry R. Trenholme, Trenholmeville, Que.
Thos. Henry Metcalfe, Montreal.
*Michael Edward Griffin, Georgetown, P.E.I., and Kenneth Moodie Chesterville, Ont., equal.
Peter McNaughton, Huntingdon.
*Geo. Nelson Boright, Sutton.
*Frank Doughty Rogers, Montreal, and *Walter Thos. White, St. John, N.B., equal.
Edward Preston Johnson, Ottawa.
*William Robert Askwith, New Edinburgh, Ont.
*George Ralston Balloch, Centreville, N.B.
*Walter McHenry Olive, St. John, N.B.
*Robert Lennox Blackburn, Ottawa.

*Supplemental in one Subject.

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## STANDING IN THE SEVERAL SUBJECTS.

### SUMMER WORK.

FOURTH YEAR.—*Class I.*—Tighe (*Newark, N. J., Waterworks*), Smith (G. S.) (*Passenger Car Construction*); Kingston (*Miscellaneous notes*) and Le Rossignol (*Pectin, the Jellying Principle in Fruits*), equal; Adams (*Gold-mining in the U.S.*). *Class II.*—Bolton (*Land Drainage*) and Cunningham (*Homogeneous Iron*) and McGregor (*Exploratory methods in B.C.*) and Wainwright (*Railway Construction*), equal; Klock (*Nickel*) and Stuart (*Native Copper Deposits on Lake Superior*), equal; Copeland (*Montreal & Western Railway*) and Purves (*Mine Accidents*), equal. *Class III.*—Warren (*Electric Railway of to-day*); Murphy P. J. (*Calcination of Lime*) and Stuart (*Electricity as a motive power*), equal.

THIRD YEAR.—*Class I.*—Burns (*Corliss Engine*); Dawson (*Changes in Line of C.P.R.*) and McPhail (*Road-making*), equal. *Class II.*—McLeod (*Construction of Common Roads*), Laurie (*Vice-work*), Featherstone (*Concrete and Masonry*); Herdt (H.) (*Phosphate Mines*) and Herdt (L.) (*Glass Manufacture*) and Rankin (*Hydrographic Survey*) and Simpson (*Foundry-work*) and Stevenson (*Wood and Iron*), equal, *Class III.*—Bowden (*Aerial Navigation*) and Ryan (*Portland Cement*). equal; Barnes (*Electrical Exhibition*) and Greenberg (*Transit and Theodolite*), equal; Massey (*Electric Motors*) and Murphy (D.A.) (*Electrical Exhibition*), equal; Holman (*Electrical Units*).

### DESIGNING.

FOURTH YEAR.—*Civil Engineering Course.—Class I.*—Wainwright, Tighe. *Class II.*—Bolton, Stuart, Murphy (P.J.), Copeland. *Class III.*—None.

*Mechanical Engineering Course.—Class I.*—Smith (G. S.), Warren. *Class II.*—Cunningham, Smart.

*Mining Engineering Course.—Class I.*—McGregor, Kingston, Purves.

### MACHINE DESIGN.

FOURTH YEAR.—*Class I.*—Smith (G.S.), Warren. *Class II.*—Cunningham. *Class III.*—Smart.

### STEAM.

FOURTH YEAR.—*Class I.*—Smith (G. S.), Cunningham, Kingston, McGregor. *Class II.*—Bolton, Tighe; Wainwright and Warren, equal; Murphy (P. J.) and Purves, equal; Stuart. *Class III.*—Copeland, Smart.

### THEORY OF STRUCTURES.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Tighe, Wainwright, Stuart; Bolton and Copeland, equal. *Class III.*—Murphy (P.J.).

THIRD YEAR.—*Class I.*—Greenberg, Herdt (L.), MacPhail. *Class II.*—Herdt (H.), Holman, Murphy (D.A.), Street, McLeod. *Class III.*—Featherston, Laurie, Ryan, Stevenson, Massey, Simpson, Burns, Robert,* Rankine.*

*Supplemental in one Subject.

THEOR OF STRUCTURES (*Advanced Course*).

THIRD YEAR.—(*In order of merit*).—Greenberg, MacPhail, Dawson, McLeod and Street, equal.

HYDRAULICS.

FOURTH YEAR.—*Class I.*—Smith (G. S.) and Kingston, equal; McGregor and Wainwright, equal. *Class II.*—Bolton, Cunningham, Tighe. *Class III.*—Copeland; Smart and Stuart, equal; Purves, Murphy (P.J.), Warren.

DESCRIPTIVE GEOMETRY.

THIRD YEAR.—*Class I.*—McPhail, Greenberg. *Class II.*—Street, McLeod; Rankine and Stevenson, equal. *Class III.*—Bowden, Dawson, Ryan, Robert.

SECOND YEAR.—*Class I.*—Holden, Shaw, Duff, Pitcher. *Class II.*—Collyer, Cole, Connor, Longworth, Darling; Molson and Morris and Mudge, equal; Leach, Henry. *Class III.*—Brodie and Costigan and Scott, equal; Scammell, Whiteside, Dyer, Gunn, Naas, Larmonth.

FIRST YEAR.—*Class I.*—Baker, McDougall, Schurman, King, McDonnough, Greig. *Class II.*—Skill; Balloch and Plummer and Gwillim, equal; Currie; Carter and Griffin and Robins, equal; Scott, Wilkin. *Class III.*—Primrose, Boright, Angus, Johnson, White (W. T.), Moodie, Askwith, Clements; Bucnanan and McNaughton and Metcalfe and Rogers and Trenholme (H. R.), equal.

FREEHAND DRAWING.

FIRST YEAR.—*Class I.*—King and Plummer, equal; Schurman; Robins and Primrose, equal. *Class II.*—Angus and Currie and White, equal; Balloch; Purves and Johnson, equal; McDougall; Boright and Moodie, equal; Becket and Griffin and Gwillim and Skill, equal; Aveling and Girdwood and McDunnough and Nivin, equal; Baker and Buchanan and Metcalfe and Scott, equal; Clements and Carter, equal; Rogers; Dougall and Hart and McBean and Van Barneveld, equal; Cushing and Jacobie, equal; Blackburn and McKenzie and Wilkin, equal; Hutchison, Olive, *Class III.*—Greig, Trenholme, Askwith, McNaughton, Jones, Fairman.

SURVEYING.

SECOND YEAR.—*Class I.*—Cole. *Class II.*—Whiteside; Gunn and Scammell, equal; *Class III.*—Dudderidge; Leach and Lorway, equal.

SURVEYING AND PRACTICAL ASTRONOMY.

THIRD YEAR.—*Class I.*—McPhail, Greenberg. *Class II.*—Dawson, Rankin, Street, McLeod. *Class III.*—Stevenson, Ryan, Bowden, Robert.

GEODESY.

FOURTH YEAR.—*Class II.*—Stuart, Bolton; Tighe and Wainwright, equal; Murphy. *Class III.*—Copeland.

* To pass a supplemental examination in the subject matter of Paper II.

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ASSAYING.

FOURTH YEAR.—(*Mining Course.*)—*Class I.*—McGregor, Kingston. *Class II.*—Purves.

METALLURGY.

*Class I.*—McGregor, Le Rossignol, Kingston, Boustead, Purves.
*Class II.*—Adams, Klock.

MINING.

*Class II.*—H. Herdt.
*Class III.*—Featherston.

CHEMISTRY (*General*).

FIRST YEAR.—*Class I.*—Carter and King, equal; Hart and Wilkin, equal. *Class II.*—McDunnough, Gwillim; Schurman and Skill, equal; Askwith Becket; Scott and Trenholme, equal; Greig and McDougall, equal; Currie, Aveling, Primrose. *Class III.*—McNaughton, Clements; Angus and Baker and Jones and Olive, equal; Balloch, Robins, Metcalfe; Cochrane and Johnson, equal; Blackburn and Moodie, equal.

CHEMISTRY (*Practical*).

FOURTH YEAR.—(*Chemistry course*)—*Class I.*—Le Rossignol, Bonstead, Adam. *Class II.*—Klock.

THIRD YEAR.—(*Mining course*)—*Class I.*—Herdt. *Class II.*—None. *Class III.*—Featherstone.

SECOND YEAR.—(*Chemistry course*).—*Class I.*—Brodie. *Class II*—Molson, Connor (*Mining course*).—*Class I.*—None. *Class II.*—Whiteside, Cole.

FIRST YEAR.—*Class I.*—McDunnough, Clements, King, Becket, Wilkin; Aveling and Skill and Trenholme, equal; Cochrane, McDougall, Hart. *Class II.*—Currie and Robins and Schurman, equal; Van Barneveld; Greig and Moodie, equal; Angus and Baker, equal; Carter; Johnson and Metcalf and Nivin, equal; Rogers, Scott, Primrose, Cushing; Griffin and Olive, equal; Girdwood and McNaughton, equal; Clark. *Class III*—Blackburn and White, equal; Boright and McBean, equal; Askwith, Jacobie. Jones; Dougall and Gwillim, equal; Balloch and Davis, equal.

CHEMISTRY (*Inorganic*).

FOURTH YEAR.—(*Chemistry course*).—*Class I.*—Le Rossignol, Boustead. *Class II.*—None. *Class III.*—Adams, Klock.

SECOND YEAR.—(*Chemistry course*).—*Class I.*—Brodie. *Class II.*—Molson, Connor.

CHEMISTRY (*Organic*).

FOURTH YEAR.—(*Chemistry course*).—*Class I.*—Le Rossignol, Boustead, Adams. *Class II.*—None. *Class III.*—Klock.

MECHANISM.

SECOND YEAR.—*Class I.*—Shaw; Henry and Pitcher, equal. *Class II.*—Darling and Holden and Longworth, equal; Duff; Collyer and Mudge, equal; Morris; Dyer and Scott, equal. *Class III.*—Naas; Costigan and Larmonth, equal.

DYNAMICS OF MACHINERY.

THIRD YEAR.—*Class I.*—Herdt (L.), Murphy (D. A.). *Class II.*—Burns. *Class III.*—Laurie; Holman and Simpson, equal; Massey.

ESSAY.

FOURTH YEAR.—(*Civil Engineering*).—*Class I.*—None. *Class II.*—Murphy (P. J.) and Tighe, equal; Bolton and Wainwright, equal. *Class III.*—Copeland and Stuart, equal.

FOURTH YEAR.—(*Mechanical Engineering*).—*Class I.*—Smith; Cunningham and Warren, equal. *Class II.*—Smart.

FOURTH YEAR.—(*Mining Engineering*).—*Class I.*—McGregor, Kingston. *Class II.*—Purves.

FOURTH YEAR.—(*Practical Chemistry*).—*Class I.*—Le Rossignol, Klock.—*Class II.*—Boustead, Adams.

THIRD YEAR.—*Class I.*—Herdt (L.); MacPhail and Murphy (D. A.), equal. *Class II.*—Greenberg and Rankin and Robert, equal; Featherston; Burns and Herdt (H) and Holman and Laurie and Massey and Simpson, equal; McLeod and Stevenson and Street, equal; Bowden and Ryan, equal.

SECOND YEAR.—*Class I.*—Brodie and Cole and Connor and Henry and Longworth and Molson, equal. *Class II.*—Shaw, Pitcher; Darling and Holden and Morris and Mudge and Scammell and Dyer, equal; Gunn and Naas, equal; Collyer and Costigan and Duff and Larmonth and Whiteside, equal. *Class III.*—Scott, Leach.

GEOLOGY (*Advanced*).

FOURTH YEAR.—*Class I.*—McGregor. *Class II.*—None. *Class III.*—Kingston, Purves.

GEOLOGY.

FOURTH YEAR.—*Class I.*—LeRossignol, Boustead, Adams, Klock.

THIRD YEAR.—*Class I.*—Lambert, Herdt (H.), Featherston, Dawson. *Class II.*—Greenberg and McLeod, equal; Street, McPhail. *Class III.*—Ryan, Bowden, Robert, Stevenson.

ZOOLOGY AND PALAENTOLOGY.

*Class I.*—Whiteside. *Class II.*—Scammell, Gunn, Leach, Dudderidge.—*Class III.*—Lorway.

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BOTANY.

SECOND YEAR.—*Class I.*—Brodie, Molson. *Class II.*—Connor.

MATHEMATICS.

THIRD YEAR.—*Class I.*—MacPhail, Holman, Greenberg. *Class II.*—Herdt (L.), Street, McLeod, Dawson, Murphy (D.), Laurie. *Class III.*—Herdt (H.), Burns; Featherston and Simpson, equal; Ryan, Massey, Robert.

SECOND YEAR.—(*Engineering Students*).—*Class I.*—Henry, Holden, Duff, Whiteside, Pitcher, Shaw, Darling. *Class II.*—Longworth, Mudge, Morris, Cole. *Class III.*—Scott, Leach, Larmonth, Dyer, Dudderidge, Naas, Collyer, Costigan, Gunn.

SECOND YEAR.—(*Chemistry Students*).—*Class I.*—Molson. *Class II.*—Brodie. *Class III.*—Connor.

FIRST YEAR.—*Class I.*—Wilkin, King, Angus, Schurman, McDougall, Clements McDunnough, Currie. *Class II.*—Hart, Carter, Baker, Scott, Greig, Primrose. *Class III.*—Blackburn and Metcalfe, equal; Griffin, Robins, Rogers, White; Boright and McNaughton, equal; Olive, Van Barneveld, Gwillim, Becket, Trenholme, Balloch, Plummer, Moodie, Askwith, Nivin, Johnson.

EXPERIMENTAL PHYSICS (*Light and Heat*).

THIRD YEAR.—*Class I.*—MacPhail, Dawson. *Class II.*—None. *Class III.*—Greenberg, Herdt (Louis), Holman; Bowden and Murphy, equal; Massey, Laurie; Herdt (H.) and Ryan, equal; Burns.

SECOND YEAR.—*Class I.*—Whiteside, Henry, Duff, Pitcher, Cole, Molson, Morris. *Class II.*—Connor, Shaw, Brodie; Collyer and Mudge, equal; Holden, *Class III.*—Dyer, Scammell, Darling, Scott, Street, Gunn; Costigan and Leach and Longworth, equal; Larmonth.

ENGLISH.

SECOND YEAR.—*Class I.*—Molson, Mudge, Pitcher; Duff and Leach and Shaw, equal. *Class II.*—Scott, Whiteside, Darling. *Class III.*—Morris and Naas, equal; Larmonth and Longworth, equal; Gunn; Brodie and Collyer, equal; Dyer and Lorway, equal; Costigan and Dudderidge, equal; Mooney.

FIRST YEAR.—*Class I.*—Skill, Carter, McDunnough, Currie, Nivin; Rogers and Wilkin, equal; Hutcheson; Buchanan and Plummer, equal. *Class II.*—Askwith, Hart, Griffin, Aveling, King; Baker and Robins, equal; Becket and Boright, equal; McNaughton and Primrose, equal; Greig and Moodie, equal; Clements and Cushing and Trenholme, equal. *Class III.*—Jones and Purves and Schurman, equal; Blackburn and McBean and Metcalfe and Olive, equal; Angus and Johnson and Scott equal; Van Barneveld, McDougall, White (W. T.), Dougall, Balloch Clark, Fairman, Jacobie, Loeb.

ENGLISH LITERATURE,

SECOND YEAR.—*Class II.*—Connor, Scammell.

FIRST YEAR.—*Class II.*—Gwillim.

FRENCH.

SECOND YEAR.—*Class I.*—Molson, Brodie, Shaw. *Class II.*—Pitcher, Duff. *Class III.*—Darling, Scott, Longworth, Costigan, Gunn, Collyer, Leach Dyer, Mudge.

FIRST YEAR.—*Class I.*—McDunnough. *Class II.*—Van Barneveld, Carter, Curri e Hart, King. *Class III.*—Robins and White, equal; Trenholme; Angus and Boright, equal; McNaughton, Metcalfe.

GERMAN.

FIRST YEAR.—*Class I.*—Schurman, Skill. *Class II.*—Becket, Gwillim. *Clas III.*—Primrose, Scott, Nivin, Moodie, Clements, Rogers; Wilkin and Dudderidge, equal; Johnson, Greig, Griffin; Olive and Baker, equal.

SECOND YEAR.—*Class I.*—Connor. *Class II.*—None. *Class III.*—Whiteside Scammell, Lorway, Morris, Naas.

WORKSHOPS.

FIRST YEAR.—*Class I.*—Schurman; Girdwood and Griffin, equal; Plummer and Robins, equal; Moodie; Baker and Jacobie, equal; King, White (W. T.); Boright and McBean, equal; Blackburn and Currie and McKenzie, equal; Angus and Nivin and Rogers, equal. *Class II.*—Greig and Johnson, equal; Mackay, Fairie; Gwillim and McDougall, equal; Gamba; Olive and Primrose and White (F. H.), equal; Becket and Fairman and Trenholme (A.), equal; Saunderson, Cushing, Trenholme (H. R.), Buchanan; Carter and Metcalfe, equal; Clark and Scott and Skill, equal. *Class III.*—Hart and Wilkin, equal; Balloch and Clements, equal; Hutcheson and Purves, equal; Davis and Dougall, equal; Aveling, Loeb; Barclay (First Term), Van Barneveld, Cochrane; Jones and Trenholme (N. M.) and Ward, equal.

SECOND YEAR.—*Class I.*—Collyer, Costigan, Naas, Morris; Duff and Dyer, equal; Larmonth. *Class II.*—Shaw, Cole, Darling, Longworth, Mudge, Scammell, Henry, Holden, Mooney. *Class III.*—Gunn, Whiteside, Pitcher, Leach, Scott.

THIRD YEAR.—*Class I.*—Burns and Murphy (D. A.), equal; Laurie. *Class II.*—Massey, Simpson, Herdt (L.). *Class III.*—Holman.

FOURTH YEAR.—*Class I.*—Warren, Smith (G. S.). *Class II.*—Smart. *Class III.*—Cunningham.

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## SESSION 1891-92.

## McGILL COLLEGE.

### FACULTY OF LAW.

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Cox, Wm. H., B.A., (Lav.), Montreal, Q
Dunlop, John, Montreal, Q
Gamble, W., B.A., (Victoria) Lachine, Q
Hogle, Arthur, Sherbrooke, Q
Internoscia, Jerome, Bapolla, Italy
Jones, Arthur, Richmond, Q
Lebeuf, Lorenzo Prince, Batiscan, Q
MacDougall, G. W., B.A., Montreal, Q
Ringland, Jos. Shanagan, Ireland
Sawyer, Bannell, Rodden, Q
Sheridan, Philip, Montreal, Q
Walsh, J. C., B.A. (Laval), Montreal, Q
Whelan, J. P., B.A. (Laval), Montreal, Q

#### SECOND YEAR.

Cameron, J. Alex., B.A., Huntingdon, Q
Curran, Francis Joseph, Montreal, Q
Davidson, Peers, B.A., Montreal, Q
Geoffrion, Aimé, Montreal, Q
Glass, Lewis Gordon, Woodstock, N.B
Hall, Alex. Rives, B.A., Toronto, Ont
Harwood, Chas. Aug., Vaudreuil, Q
Jacobs, Samuel W., Lancaster, Ont
Johnson, Alex. Ron., B.A., Montreal, Q

#### THIRD YEAR.

Ryan, Percy C., Ottawa, Ont
Truell, Harry V., Barnstown, Q
Hutchison, Robert B., Montreal, Q

#### PARTIAL AND OCCASIONAL.

Cleveland, J. Blake, Coaticooke, Q
Lamoureux, Emile, St. Sebastien, Q

*Graduates attending Classes:*

Hatchette, F. J., B.C.L., Montreal, Q
Hibbard, F. W., B.A., B.C.L., Dublin, I
McKercher, John, B.C.L., Montreal, Q
Patterson, Wm., B.A., Ormstown, Q

### FACULTY OF MEDICINE.

#### FIRST YEAR.

Alexander, C. C., Fredericton, N.B
Allen, J. H., West Osgoode, Ont
Anthony, L. X., Berwick, N.S
Anderson, D. P., New Liverpool, Q
Bailey, J. W., Northfield, Minn.
Baskin, J. T., Dunrobin, O
Beatty, E. D., Nepean, O
Bishop, C. W., Montreal, Q.
Blow, T. H., South Mountain, O
Bonck, C. W., Inkerman, O
Boucher, R. B., Peterboro, O
Burfield, J. C., Toronto, O

Carron, F. B., Brockville, O
Chapman, H., Port Elgin, O.
Church, A. H., Montreal, Q
Clark, J. A. M., Ridgetown, O
Commins, E., St. Stephen, N.B
Converse, R. D., Rindge, N.H
Cowie, W., Montreal, Q
Cruikshank A., Inverness, Q
Currie, J. A., Pictou, N.S
Day, J. L., Montreal, Q
Dewar, J., Glensandfield, O
Edmison, J. H., Rothsay, O
Elliott, A. S., Milton, O
Ewan, R. B., Montreal, Q
Feader, W. A., Iroquois, G
Foss, A. F., Sherbrooke, Q
Fox, C. H., Oxley, O
Fraser, A. D., Hawkesbury, O
Gallant, St. C. G., Charlottetown, PEI
Gardner, J. G., Montreal, Q
Garrett, L., Montreal, Q
Gleason, J. H., Cowansville, Q
Grant, J., Pictou, N.S
Gunn, W. T., Montreal, Q
Hamilton, R., Bright
Hargrave, J. L., Rosedale, Man
Harwood, R. deL., Vaudreuil, Q
Hogg, L., Winnipeg, M
Hogle, J. H., Montreal, Q
Hughson, B. E., Blenheim, O
Johnson, M. H., Madoe, O
Johnston, F. E. L., Delaware, Q
Keith, H. W., Havelock
Kerry, R. A., Montreal, Q
King, J. H., Chipman, N.B
Knapp, H. T., Sackville, N.B
Lambly, W. D., Inverness, Q
Le Rossignol, W. J., Toronto, O
Leslie, P. C., Montreal, Q
Link, D. A., Gravenhurst, O
Lovejoy, J. S., Montreal, Q
McDermott, J. W., Egansville
McLeay, K. L., Montreal, Q
MacLeay, A. A., Montreal, Q
McKinnon, —, Park Hill, O
McNally, G. J., Queensburg, N.B
McGannon, A. B., Brockville, O
McRossie, T. D., Napanee, O
Mallock, N., Kenmore, O
Mason, R., Dalesville, Q
May, G. F., Stanford, Dingley
Merrick, J. H., Merrickville
Mowatt, W., Montreal, Q
Neill, R. W., Aylmer, Q
Oliver, W., Rockburu, Q
Oliver, G. W., Montreal, Q
Oppenheimer, S. S., Vancouver, C.B
Patrick, D., Montreal, Q
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Price, B. S., Springfield, N.B
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Ragotte, E. C. F., Montreal, Q
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Robertson, J. E., Morrisburg, Q
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St. Pierre, A. D., Ripon
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Slack, F. J., Waterloo
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Stevens, E. P., Knowlton, Q
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Tees, J., Montreal, Q
Thomson, F. L., Mitchell, O
Vipond, C. W., Montreal, Q
Walker, D. F., Ormstown, Q
Watson, J. H., Barbadoes, W.I
Wickham, W. W., Summerside, P.E.I
Williams, J. A., Carleton Place, O
Wood, D. M., Kenmore, O
Wright, H. A. K., Montreal, Q

SECOND YEAR.

Ault, O. R., Tilsonburg, O
Bazin, A T., Montreal, Q
Brown, G. T., Canuley, Q
Byers, W. G. M., Ganonoque, O
Campbell, R. M., Montreal, Q
Conner, W, Minneapolis, Minn
Crocket, A. P., Fredericton, N.B
Davidson, A., Burns, O
Davis, R. E., Fallowfield, O
Drysdale, W. F., Perth, O
Evans, J. W., Chelsea, O
Ferguson, W, Pictou, N.S
Flinn, J. W., Wallace, N.S
Fowler, E S, Perth, O
Fry, J. M., Montreal, Q
Gilman, F. M., Tusket, N.S
Goltman, A., Montreal, Q
Gorrell, C. W. F., Brockville, O
Hamilton, W. F., Peterboro, O
Hamilton, G., Bright, O
Hannington, J. P., Shediac, N.B
Hart, E. C., Baddeck, N.S
Henderson, W., Dickinson, O
Holohan, P. A., Newcastle, N.B
Hepburn, C., Montreal, Q
Irving, E., Pembroke, O
Jacques, H. M., Upper Dyke, N.S
Kearns, J F., Metcalfe, O
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Lanterman, M., Montreal, Q
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Lochead, J., Parkhill, O

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| York, H. E., | Metcalfe, O |

THIRD YEAR.

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| Aylen, E. D., | Aylmer, Q |
| Barrett, H. H., | Three Rivers, Q |
| Blunt, R. W., | Montreal, Q |
| Bostwick, W. E., | Detroit, Mich |
| Brown, J. A., | Sarnia, O |
| Cameron, J. D., | L'Orignal, O |
| Carroll, R. W., | Stratford, O |
| Cooper, M. A., | Ormstown, Q |
| Deeks, W. E., | N. Williamsburgh, O |
| Dewar, A. T., | Sarnia, O |
| Dewar, G. F., | Ormond, O |
| DuVernet, E., | Gagetown, N.B |
| Esty, A. S., | Keswick Ridge, N.B |
| Fleming, G. W., | Chipman, N.B |
| Feron, F. M., | Montreal, Q |
| Goff, H. N., | Woodmill, P.E.I |
| Gunter, F. B., | Fredericton, N.B |
| Haight, M., | New Durham, O |
| Hall, M. R., | Franklin Centre, Q |
| Henderson, J. A., | Orangeville, O |
| Huretson, S. W., | Georgetown, O |
| Hume, G. W., | Leeds, O |
| Jakes, R. W., | Merrickville, O |
| Jamieson, W. H., | Montreal, Q |
| Kiteley, —, | Stirton, O |
| Lambly, W. O., | Montreal, Q |
| Lawrence, J. W., | Lower Dumfries, N.B |
| Lewis, J. T., | Hillsboro, N.B |
| Lindsay, W., | St. Mary's, O |
| McArthur, A. D., | Kenmore, O |
| MacKay, R. B., | Toronto, O |
| McKenzie, R. J., | Melbourne, Q |
| McKenzie, S. R., | Montreal, Q |
| McLennan, K., | Dunvegan, O |
| McMillan, W., | Alberry Plains, P.E.I |
| McMorrin, R. F., | Richmond, Q |
| McNaughton, J. A., | Cornwall, O |
| Masten, C., | Montreal, Q |
| Matheson, R., | Cardigan, P.E.I |
| Mills, W. C., | Montreal, Q |
| Morris, F. X., | Fairville, N.B |
| Ogden, C. L., | Warrenburg, N.Y |
| Parker, G. W., | Cardigan, P.E.I |
| Robinson, H. J., | Brockville, O |
| Rodger, D. A., | Genoa, Q |
| Rorke, R. F., | St. Thomas, O |
| Seaton, J. S., | St. John, N.B |
| Seguin, J. W. A., | Rigaud, Q |
| Scammell, J. H., | St. John, N.B |
| Scane, J. W., | Chatham, O |
| Scott, H. W., | Owen Sound, O |
| Semple, E. J., | Montreal, Q |
| Shaw, G. F., | Ottawa, O |
| Shaw, T. P., | Montreal, Q |
| Tomkins, J. E. C., | Coaticook, Q |
| Trenholm, G. A., | Coaticook, Q |
| Walker, J. L., | Montreal, Q |
| Whyte, J. T., | Ottawa, O |
| Wilson, R. D., | Derby, N.B |
| Wilson, Robert, | Montreal, Q |
| Yearwood, C., | Barbadoes, W.I |

FOURTH YEAR.

| | |
|---|---|
| Akerley, A. W. K., | Fredericton, N.B |
| Berwick, G. A., | Farnham, Q |
| Binmore, J. E., | Montreal, Q |
| Bowen, G. A., | Compton, Q |
| Boyce, B. F., | Norham, Ont |
| Brown, F. W. A., | Brockville, Ont |
| Browse, J. E., | Brockville, Ont |
| Brunette, J. T., | Cornwall, Ont |
| Bruce, D. A., | Grand View, P.E.I |
| Carmichael, H. B. W., | Montreal, Q |
| Chabot, J. L., | Ottawa, Ont |
| Chipman, R. J., | Halifax, N.S |
| Coburn, A. D., | Keswick Ridge, N.B |
| Day, A. R. A., | Guelph, Ont |
| Duncan, G. H., | Russell, Ont |
| Ellis, W. L., | St. John, N.B |

| | |
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| Fulton, C., | Avonmore, Ont |
| Fulton, J. A., | Franklin Centre, Q |
| Girdlestone, C. W., | Winnipeg, Man |
| Glendenning, R. T., | Truemanville, N.S |
| Graham, W. C., | Prescott, O |
| Grant, H. A., | Pembroke, O |
| Halliday, V., | Peterboro, O |
| Hayes, P. J., | Nelson, N.B |
| Henderson, J., | Warkworth, O |
| Hogg, D. H., | Winnipeg, Man |
| Internoscia, A., | Montreal, Q |
| Jack, Du V., | Fredericton, N.B |
| Jameson, T., | Rochester, N.Y |
| Johnston, A., | Ottawa, O |
| King, H. S., | Sarnia, O |
| Lang, F. W., | St. Mary's, O |
| Langley, A. F., | Victoria, B.C |
| McCann, A. E. A., | Montreal, Q |
| Mackay, D. G., | Clifton, P.E.I |
| McKenty, J. E., | Montreal, Q |
| McKenzie, R. T., | Almonte, O |
| McKinnon, O. T., | Kinross, P.E.I |
| McLennan, D. A., | Fournier, O |
| McNally, H. H., | Fredericton, N.B |
| Mair, A. W., | Clinton, O |
| Martin, C. F., | Montreal, Q |
| Martin, S. H., | Savage's Mines, Q |
| Massiah, W. B. H., | Barbados, W.I |
| Meade, C. J., | St. Paul, Minn |
| Meikle, W. F., | Morrisburg, O |
| Moore, J. W., | Belleville, O |
| Neill, J., | Aylmer, Q |
| Outwater, S., | Plainfield, O |
| Paterson, L., | Harbour Grace, Nfld |
| Peake, J. P., | Fredericton, N.B |
| Phelan, E. D., | Montreal, Q |
| Phillmore, R. H., | Cookshire, Q |
| Robinson, B. E., | Orillia, O |
| Rogers, W., | Montreal, Q |
| Smith, W. H., | Winnipeg, Man |
| Taplin, M. M., | Addison, O |
| Taylor, T. T., | Chatham, O |
| Taylor, J. N., | Ottawa, O |
| Thompson, J., | Moulinette, O |
| Wade, A. S., | Perth, O |
| Walsh, T. W., | Ormstown, Q |
| Walsh, W. E., | Ormstown, Q |
| Walker, W. G., | Stratford, O |
| Wasson, H. J., | Peterboro, O |
| Yates, H. B., | Brantford, O |

## FACULTY OF ARTS.

### *Undergraduates.*

FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Armstrong, E. N., | M.H.S., | Montreal, Q |
| Ascah, A. C., | Montreal Dio. Theo. College, | Gaspé, Q |
| Burnet, Arthur, | Grande Ligne Institute, | Farnham Centre, Q |
| Campbell, G. Ernest, | Huntingdon Academy, | Ormstown, Q |
| Crombie, Wm. B., | Smithville H. S., | Fort Coulange, Q |
| Davidson, Shirley, | M.H.S., | Montreal, Q |
| Dyer, Edward, | Sutton Model School, | Sutton, Q |
| Fourney, F. K., | M.H.S., | Montreal, Q |
| Hamilton, W. J., | Woodstock Collegiate Institute, | Milverton, O |
| Hickson, James C., | Eliock School, | Montreal, Q |
| Hime, Chas. R., | Foyle College, Ireland, | Montreal, Q |
| Howard, E. Edwin, | Inverness Academy, | Farnham, Q |
| Irvine, Austin D., | Private Tuition, | Cote St Antoine |
| Keith, Neil D., | Glencoe H. S., | Glencoe, O |
| Lennon, Walter S., | Wesleyan Theological College, | Montreal, Q |
| LeRoy, O. E., | Lachute Academy, | St. Andrews, Q |
| McEwen, Duncan, | Private Tuition, | Glengarry, O |
| McEwan, Samuel R., | Diocesan College, | Rawdon, Q |
| MacIntosh, James, | Private Tuition, | Mount Pleasant, P.E.I. |
| McIntosh, Major. | Prince of Wales College, P.E.I., | Summerside, P.E.I. |
| McNaughton, Francis, | Huntingdon Academy, | Huntingdon, Q |
| Mansfield, E. D., | Cowansville School, | Cowansville, Q |
| Mason, Robert, | Lachute Academy, | Dalesville, Q |
| Milloy, James G., | Glencoe, | Crimea, O |
| Mitchell, Albert T., | Diocesan Theological College, | Montreal, Q |
| Mount, A. E., | Diocesan Theological College, | Montreal, Q |

MCGILL UNIVERSITY LIBRARY

| *Name* | *School.* | *Residence.* |
|---|---|---|
| Pettes, Dan. H., | Knowlton Academy, | West Brome, Q |
| Rogers, Reginald H., | Prince of Wales College, P.E.I., | Alberton, P.E.I. |
| Shaw, James M., | Private Tuition, | Cote St. Antoine |
| Shepherd, Wm. G., | Sarnia H. S., | Uttoxeter, O |
| Smyth, W. Oswald, | M.H.S., | Montreal, Q |
| Sutherland, Wm. C., | | |
| Symmes, Thos. J., | Aylmer Academy, | Alymer, Q |
| Terryberry, Arthur I., | Barton College Institute, | Hamilton, O |
| Tooke, Fred. T., | M.H.S., | Montreal, Q |
| Trenholme, Norman M., | M.H.S., | Montreal, Q |
| Wallace, James M., | Kemptville H.S., | North Gower, O |
| Watt, James C., | Almonte H.S., | Lanark, O |
| Weir, George, | Woodstock College Institute, | Eastwood, O |
| White, Frank H., | Bishop's College School, | Montreal, Q |
| Worth, Fulton, | Pictou Academy, N.S., | New Westminster, B.C. |
| Young, Henry, | Almonte H.S., | Blakeney, O |
| Young, Stephen, | Almonte H.S., | Blakeney, O |

SECOND YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Barlow, Walter L., | M. H. S., | Montreal, Q |
| Bickerdike, F. A. C., | Private tuition, | Montreal, Q |
| Blackett, John, | Huntingdon Acad., | Ormstown, Q |
| Bond, Wm. L., | M. H. S., | Montreal, Q |
| Boyd, Leslie H., | M. H. S., | Montreal, Q |
| Bremner, William, | Ottawa Collegiate Institute, | Ottawa, O |
| Craig, Wm. W., | M. H. S. | Montreal, Q |
| Dickson, Ed. H. T., | Private tuition. | Trenholmeville, Q |
| Dickson, Sydney M., | St. Francis College, | Trenholmeville, Q |
| Davis, David T., | M. H. S., | Montreal, Q |
| Day, Frank J., | Private tuition, | Belleville, O |
| Duclos, Arnold Wm., | M. H. S., | Montreal, Q |
| Fraser, Frank C., | M. H. S., | Montreal, Q |
| Garret, W. P., | Trinity College, Toronto, | Ottawa, O |
| Graham, Angus, | Glencoe H. S., | Glencoe, O |
| Graham, Fred. H., | Liverpool College, | Iron Hill, Q |
| Hanran, Robt., J., | Inverness Academy, | Inverness, Q |
| Harvey, Fred W., | Sutton Model School, | Abercorn, Q |
| Howell, Wm., | St. John's School, | Montreal, Q |
| Ireland, G. D., | Prince of Wales Coll., P.E.I., | Alberton, P.E.I. |
| Lambly, M. O., | Wesleyan Theological College, | Inverness, Q |
| Lewis, Wm. P., | St. John's H. S., | Iberville, Q |
| McGregor, Alexander, | Lachute Academy, | St. Andrews, Q |
| McKeracher, W., | M. H. S., | Howick, Q |
| Naylor, Henry A., | Shawville Academy, | Shawville, Q |
| Ogilvy, Charles, | M. H. S., | Montreal, Q |
| Shaw, Christie M., | M. H. S., | Montreal, Q |
| Spearman, Fred. S. | Huntingdon Academy, | |
| Smith, Alistair, | Petitcodiac School, | Petitcodiac, N.B |
| Stewart, J. C., | London Coll. Inst., | Embro, O |
| Styles, A. J, | Goderich H. S., | Huron Co., P.O |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Brown, Cecil L., | Port Lewis, Q | Gordon, John S., | Alberton, P.E.I, |
| Brown, James, | Huntingdon, Q | Gurd, Charles C., | Montreal, Q |
| Donahue, Wm., | Montreal, Q | Hickson, J. W. A., | Montreal, Q |
| Dresser, John A., | Richmond, Q | Honeyman H. A., | Knowlton, Q |
| Farnsworth, A. H., | Compton, Q | Hutchison, David, | Brechin, O |

| | | | |
|---|---|---|---|
| Internoscia, Jérome, | Montreal, Q | Patterson, William, | Caultley, Q |
| Killaly, H. M., | Morrisburg, O | Pratt, Francis, | Montreal, Q |
| McIver, Evander J., | Montreal, Q | Robertson, Albert J., | Woodbridge, O |
| McGerrigle, J. A., | Ormstown, Q | Russell, William, | Matane, Q |
| MacVicar, Robert M., | Montreal, Q | Skeels, Albee A., | Montreal, Q |
| McVicar, Archibald, | Strathroy, O | Smith, E. F. McL., | Hawkesbury, Q |
| Mahaffy, Albert, | Port Albert, O | Thompson, James, | Bristol, Q |
| Mansur, Charles, | Stanstead, Q | Townsend, Wm. McN., | Traveller's Rest P.E.I |
| Muir, Peter P., | Fordwich, O | | |
| Munn, Stewart M., | Montreal, Q | | |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Allen, James H., | West Osgoode, O | McAlpine, J. J. | |
| Anderson, John D., | Tiverton, O | Mackenzie, Ewen A., | Lucknow, O |
| Archibald, Edward, | Montreal, Q | McLennan, Kenneth, | Alexandria, O |
| Barron, Robt. H., | Lachute, Q | McLeod, Norman A. D., | Lockside, N. S |
| Blachford, Henry, | Huntingdon, Q | Messenger, Wm. John, | Londen, Eng. |
| Brown, Daniel, | Morris Flats, Q | Mitchell, Robt. J. W., | Montreal, Q |
| Carmichael, S., | Montreal, Q | Parker, Edwin G., | Martinville, Q |
| Colquhoun, Philip, | Colquhoun, O | Pritchard, Wm. P., | Redgrave, O |
| Craik, Galen, | Rockburn, Q | Reeves, Archibald C., | Ormstown, Q |
| Cushing, Harold B., | Montreal, Q | Robins, Geo. D., | Montreal, Q |
| Davey, R. George, | Whitby, O | Ross, Robert O., | Margaree, C.B |
| Drum, Lorne, | Quebec, Q | Sadler, Thomas A., | Dewittville, Q |
| Graham, George D., | Hull, Q | Smyth, Walter H., | Montreal, Q |
| Guthrie, Donald, | Guelph, O | Taylor, James, | Ottawa, O |
| Hamilton, Dan. S., | Ravenswood, O | Williams, Edward J., | Montreal, Q |
| Jaquays, H. M., | Sutton, Q | Whyte, George, | Leeds, Q |
| Jekill, Henry, | Morris Flats, Q | Wood, Arthur B., | St. Johns, Q |
| Kollmyer, W. Hector, | Montreal, Q | | |

B. Ap. Sc.

Evans, N.

*Partial and Occasional.*

A *Partial Student* (indicated by an asterisk) may, without passing the Entrance Examination, take the same classes as an Undergraduate, and must take at least three classes. Undergraduates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes.

FIRST YEAR.

| | | | |
|---|---|---|---|
| *Alexander, F. J. K., | Mascouche | *Gilmour, F. W., | Almonte, O |
| *Armstrong, H. S. | | Hall, John Thom., | Mount Forrest, O |
| Baker, Calvin F. | | *Hanson, Albert C., | Barnston, Q |
| *Ball, George W. | Montreal, Q | Herries, Chas R. | |
| Barclay, — | | *Jackson, J. A. | |
| Biron, M. W., | Wakefield | *Jones, A. T., | England |
| Brandt, E., | France | Lamert, J. O., | Monte Bello, Q |
| *Brown, John L., | Wood Bay, Man | *Levy, Aaron, | Montreal, Q |
| Brown, Sylvester, | Portland, O | Logan Alfred, | Montreal, Q |
| *Brown, T. H., C. St. Paul, | Montreal, Q | *McConnell, J. H., | Montreal, Q |
| *Brown, H. S., | Port | McDonough, — | |
| *Buker, C. F., | Bishop's Mills, Q | McKenzie, W., | Morrisburg, O |
| *Calvert, Reuben, | Hamilton, O | Macpherson, Walter R., | Montreal, Q |
| Campbell, — | | *Martin, Daniel E., | Bothwell, O |
| Charles, Joseph G., | Montreal, Q | *Mathers, F. M., | Lucknow, O |
| Church, Howard M., | Montreal, Q | Massicotte, Leopold, | Montreal, Q |
| Dougall, John, | Montreal, Q | Metcalfe, Thos. H. | |
| Ewan, Robert B. | | Millar, D. D., | Burgoyne, O |
| *Gilmore, Geo., | Ireland | Overing, Robert T., | Mt. Royal Val., M |

MCGILL UNIVERSITY LIBRARY

*Peever, R. G., Haley's Station, O
Redpath, Harold, Montreal, Q
*Ridgeway, A. G., Ireland
*Rollit, Chas., Montreal, Q
*Scott, Thos., Monkton, O
*Sing, C. R., Singhampton
*Smith, Wm. O.
Stephens, Jno. G., New Rockland, Q
*Terryberry, A. J.
*Vaughan, Chas. S., Mystic, Q
*Walker, Harry
*Wallace, James M.
Ward, Fleetwood H.
*Waterson, W. J. N, Vankleek Hill, O
Weir, George
*White, Walter T.
*Wilkinson, Thos. J. N.,N. Glasgow, Q

SECOND YEBR.

(1) Armstrong, H. S.
Ascah, W.
(1) Ball, George, Montreal, Q
Beauchamp, P., Grenville, Q
Burnett, Herbert, Toronto, O
(1) Brown, John L., Wood Bay, Man
(1) Brown,, Cote St. Paul, Montreal, Q
(1) Brown, S. H., Portland, O
*Burke, Thos. E., Farran's Point, O
(1) Cavert, Reuben, Hamilton, O
*Cameron, M. J., Cowansville, Q
(1) Charles, Joseph, Montreal, Q
(1) Church, J. M. H., Montreal, Q
*Coffin, J. M., Montreal, Q
Connor, M. F.
*Donaldson,David
Elliott, A.
*Fairbairn, Andrew, Prescott, O
*Fraser, S.
(1)Gilmore, G., Ireland
*Humphreys, J. S., Montreal, Q
(1) Jackson, J. H.
(1) Lamert, J. O., Monte Bello, Q
Lee, G. Herbert, Toronto, O
*(1) Martin, D., Bothwell, O
Massicotte, G. A.
(1)* Mathers, F. M., Lucknow, O
Maynard, J. S., Ste. Brigide, Q
McCuaig, W. W.
*(1) McKenzie, W., Morrisburg, O
Messenger, C. B. E., Nevarro, Cal
*Millar, R. A., Lumley
*McConnell, J. H., Montreal, Q
*Morrison, W. T., Ormstown, Q
*Parrish, L., Chiselhurst, O
(1) Peever, R. G., Haley's Station, O
(1) Ridgeway, A. G., Ireland
* Sanderson, A. E., Willowdale, O
Sincennes, J. B., Duclos, O
(1) Sing, C. R., Singhampton
Stevens, Wm. H., Sherbrooke, Q
Strong, F. I., Cambria, Q
* Truax, Judson, Ruthven, O
(1) Vaughan, Chas. S., Mystic, Q
Waller, Chas. C., Montreal, Q
* Warren, G. B., Lansdowne
Warnicker, John B.
* Westgate, C. R., Montreal, Q
(1)Wilkinson, Thos. J., N. Glasgow, Q
* Wright, T. H.

THIRD YEAR.

Adams, James R., Toronto, O
(2) Armstrong, H. S.
Adams, Robert, Sarnia, O
(2) Brown, S. H.
(2) Brown, Sylvester, Portland, O
(2) Brown, T., Montreal, Q
(2) Coffin, J. M., Montreal, Q
(2) Donaldson, David
Ewan, R. B., Montreal, Q
(2) Fairbairn, Andrew, Prescott, O
* Grisbrook, Ed. O, Sarnia, O
(2) Humphreys, J. S., Montreal, Q
(2) Jackson, J. A.
(2) Martin, D., Bothwell, O
(2) Mathers, F. M. Lucknow, O
(1) McConnell, J. H., Montreal, Q
Mervyn, W. A. P., Ireland
(2) Miller, Robert, Lumley
(2) Parrish, L., Chiselhurst, O
(2) Peever, R. G., Haley's Station, O
* Read, G. E., England
* Sanderson, W. C., Willowdale, O
Scott, Thomas, Monkton, O
Shaw, J. R.
(2) Sing, C. R., Singhampton
Slack, T. G., Waterloo, Q
* Strong, John I., Cambria, Q
Varrick, Louis
(2) Warren, G. B., Lansdowne
(2) Westgate, C. R., Montreal
(2) Wright, T. H.

FOURTH YEAR.

(3) Adams, R., Toronto, O
Barnby, R. H., Lucknow, O
Beattie, W. E., Guelph, O
(2) Burke, Thos. E., Farran's Point, O
(2) Burnett, Herbert, Toronto, O
Clarke, W. C., Hemming's Mills, O
(2) Connor, Mathew F.
Huxtable, Charles
(1) Jones, A. G. T., England
(2) Lee, Herbert, Toronto, O
(1) Logan, Alfred, Montreal, Q
McArthur, J. H., Kilbride, O
McKinley, George, Seaforth, O
Morrison, Wm. T., Ormstown, Q
Robinson, Fred. G., Glen Tay, O
(1) Sanderson, A. E., Willowdale, O
(2) Wilkinson, T. J., New Glasgow, Q

## DONALDA DEPARTMENT.

SPECIAL COURSE FOR WOMAN.

*Undergraduates.*

FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Anderson, Jennie A., | Stanbridge Model School, | Stanbridge, Q |
| Armstrong, L. E.. | Montreal G. H. S., | Montreal, Q |
| Cameron, Susan E., | Victoria H. S., St. John, N.B., | St. John, N.B. |
| Carnochan, Lillian, | G. H. S., Montreal, | Montreal, Q |
| Cushing, Florence E., | G. H. S., Montreal, | Montreal, Q |
| Rickey, Eleanor, | Private Tuition, | Jefferson City, Mo., U.S. |
| Travis, Katharine, | Victoria H. S., St. John, N.B., | St. John, N.B. |
| Watson, Rosalind, | Huntingdon Academy, | Huntingdon, Q |
| Whiteaves, A. Maud, | Ottawa Collegiate Institute, | Ottawa, O |

SECOND YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Brown, Jessie, | Mrs. Lay's Scool, | Montreal, Q |
| Craig, Margaret, | Girl's High School, | Montreal, Q |
| Gyde, Lilllan N., | McGill Normal School, | Montreal, Q |
| Hargrave, Edith, | Sherbooke Girls' Academy, | Sherbrooke, Q |
| Mackenize, Jane E. F., | St. Francis College, | Richmond, Q |
| Ogilvy, Isabella, | G. H. S., Montreal, | Montreal, Q |
| Radford, Ethel S. | G. H. S., Montreal, | Montreal, Q |
| Shaw, S. Louise | G. H. S., Montreal, | Montreal, Q |
| Seymour, Clara, | Private tuition, | Montreal, Q |
| Warner, Agnes L., | G. H. S., St. John, N.B., | St. John, N.B |

THIRD YEAR.

Angus, Frances P., Montreal, Q
Boright, M. D.
Brittain, Isabel J., Montreal, Q
Fairclough, Lizzie M., Hamilton, O
Hunt, Lovisa E.
Jackson, Annie, Montreal, Q
James, Agnes S., Montreal, Q
Lee, Mabel, Quebec, Q
Macdonald, Jessie H., Montreal, Q
McCoy, Emma C., Rockburn, Q
Millar, Edith N., Montreal, Q
Seymour, Martha, Montreal, Q
Smardon, Charlotte, Three Rivers, Q

FOURTH YEAR.

Campbell, Kate M., Montreal, Q
Davidson, Clara F. M., Frelighsburg, Q
Leach, Milda, Montreal, Q
Lyman, Helen W., Montreal, Q
MacDonald, Minnie L., Montreal, Q
Mewhort, Louise, St. Anne, Q
Pitcher, Ethelwyn, Montreal, Q
Raynes, Ethel, Montreal, Q
Ross, Jessie K., Montreal, Q
Tatley, Eleanor, Montreal, Q

MCGILL UNIVERSITY LIBRARY

B. A.

Binmore, Elizabeth, B.A.
Botterell, Inez, B.A
Macfarlane, Mira, B.A.
McMillan, Helena, B.A.
Reid, Helen R. Y., B.A.
Scott, Sara, B.A.
Smith, G. Louise, B.A.

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*Partial and Occasional.*

A *Partial Student* (indicated by an asterisk) may, without passing the Entrance Examination, take the same classes as an Undergraduate, and must take at least three classes. Undergratuates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes.

FIRST YEAR.

| | | | |
|---|---|---|---|
| Armstrong, L. E., | Montreal, Q | Jordan, Alice M., | Montreal, Q |
| Claxton, Ethel G., | Montreal, Q | Krause, Louise | |
| Coussirat, Eva J., | Montreal, Q | Macrae, Ethel, | Montreal, Q |
| Drinkwater, Mabel, | Montreal, Q | Macfarlane, Mira, B.A., | Montreal, Q |
| Evans, E. Elsie, | Montreal, Q | Savage, Mary Mills, | Montreal, Q |
| Hamilton, Beatrice, | Montreal, Q | Scott, Elsie, | Montreal, Q |
| James, Ada D., | Montreal, Q | Tatley, Gertrude | |
| Johnson, Helena, | Montreal, Q | Woods, Edythe M., | Montreal, Q |

SECOND YEAR.

| | | | |
|---|---|---|---|
| Ames, L. M., | Montreal, Q | Kerr, L. S., | Montreal, Q |
| Brown, M. B., | Montreal, Q | Lamplough, Grace C., | Montreal, Q |
| Clarke, Maude, | Montreal, Q | Lindsay, Sarah F., | Montreal, Q |
| Cowie, Jane, | Scotland | Mann, Eva, | Montreal, Q |
| Craig, Jeanie, | Montreal, Q | McLea, Jeanie, | Montreal, Q |
| Dansken, M. R., | Scotland | McMillan, Helena, B.A. | |
| Dawson, Elizabeth, | Montreal, Q | Nichols, Alice, | Montreal, Q |
| Dougall, Janet A., | Montreal, Q | Raynes, N. B., | Montreal, Q |
| Evans, Mabel N., | Montreal, Q | Reid, Ethel H., | Montreal, Q |
| Evans, Lilian N., | Montreal, Q | Ross, C. M., | Montreal, Q |
| Hall, Bertha, | Montreal, Q | Sanderman, M. M., | Montreal, Q |
| Howell, J. C., | Montreal, Q | Seifert, Bertha | |
| Irwin, Isa, | Montreal, Q | Skelton, A. R., | Montreal, Q |
| Johnson, E. L., | Montreal, Q | Smith, Evaline J., | Montreal, Q |
| Jordan, M. H., | Montreal, Q | Smith, G. Louise, B.A., | Montreal, Q |
| Jordan, A. | | Trenholme, Florence, | Montreal, Q |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Dawson, W. G., | Montreal, Q | Reay, Janet, | Melbourne, Q |
| Dawson, Amy G., | Montreal, Q | Rielle, M. L., | Montreal, Q |
| Mills, Janet A., | Montreal, Q | | |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Botterell, I., B.A., | Montreal, Q | Johnson, N., | Montreal, Q |
| Campbell, R. F., | Montreal, Q | McCallum, E., | Monville, Q |
| Finley, M., | Montreal, Q | McGarry, Isabel | |
| Finley, Greta, | Montreal, Q | McLea, Rosalie, | Montreal, Q |
| Holder, Ella E., | Montreal, Q | Mooney, C. J., | Montreal, Q |
| Irish, Mary L., | Montreal, Q | Reid, Helen R. Y., B.A., | Montreal, Q |

## MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Chambers, E. J. C., | Granby, Q | Livingstone, Neil, | Quebec, Q |
| Cook, John Wilson, | Quebec, Q | Logie, E. S., | Quebec, Q |
| Crocket, Octavus, | Fredericton, N.B | Macadam, Margaret, | Glasgow, Scot |
| Fraser, Ethel, | Quebec, Q | Moffatt, David S., | Inverness, Q |
| Gale, Ethel, | Quebec, Q | Polley, J. F., | St. Stephen, N.B |
| Giroulx, Louis R., | Duclos, Q | Tanner, John U. E. F., | Levis, Q |
| Harper, Robert M., | Quebec, Q | Taylor, Wm. Baxter, | Quebec, Q |
| Lee, Emily, | Quebec, Q | Thomson, Harry Stuart, | Quebec, Q |
| Lindsay, John, | Danville, Q | Woodside, Geo. Alex., | St. Sylvester, Q |

*Occasional Students.*

| | |
|---|---|
| Arnold, Gertrude | McLaren, Thos |
| Ashe, Wm. E. | Richardson, Edith |
| Boswell, H. | Ross, Frank |
| Brown, M. L., B.A. | Russell, R. H. |
| Buchanan, J., B.A. | Stevenson, Agnes |
| Gale, Ernest | Stocking, F.S. |
| Hatch, Grace M. | Tanner, Chas. A. H. |
| Macadam, Bessie | Tanner, Wm. |
| MacLeod, Euphemia, B.A. | Wheeler, J. |

## ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Candlish, Charles W., | L'Avenir, Q | Hewitt, Edith, | Melbourne, Q |
| Coburn, David N., | Melbourne, Q | Lufkin, Elizabeth J., | Waterloo, Q |
| Dickson, Stanley, | Kingsey, Q | Patterson, William F., | Montreal, Q |
| Dunkerley, Cora F., | Ulverton, Q | Stevens, James W., | Kirkdale, O |
| Evans, Thomas H., | Trenholme, Q | Verrill, Charles, | Melbourne, Q |
| Fraser, Harriet A., | Richmond, Q | | |

*Occasional Students.*

| | | | |
|---|---|---|---|
| Jamieson, Minetta A., | Richmond, Q | Ryan, George, | Richmond, Q |

## STANSTEAD WESLEYAN COLLEGE.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Gustin, Alfred, | Fitch Bay, Q | Tweddell, Ethelwynn, | Quebec, Q |
| McAmmond, Anna, | Bell's Corners, O | Vipond, Laura, | Hudson, Q |
| McDuffie, Mamie, | Derby, Vt | Whitney, Rosa, | Macon, Ga |

## FACULTY OF APPLIED SCIENCE.

FIRST YEAR.

| | | | |
|---|---|---|---|
| Angus, William Forrest, | Montreal, Q | Blackburn, R. Lennox, | Ottawa, O |
| Askwith, Wm Rob., | New Edinburgh, O | Boright, George Nelson, | Sutton, Q |
| Aveling, Arthur Powell, | Montreal, Q | Buchanan, Fitzh. Price, | Montreal, Q |
| Baker, Hugh C., | Ottawa, O | Bulmer, T. Cam. Morton, | Montreal, Q |
| Becket, Fred. Mark, | Montreal, Q | Carter, Wm. Fred., | Cowansville, Q |
| Balloch, G. Ralston, | Centreville, N.B | Clements, F. S., | Upper Kingsclaur, N.B |

MCGILL UNIVERSITY LIBRARY

Cochrane, Kenneth C., Brockville, O
Carne, William, Montreal, Q
Cushing, Jas. Wilfred, Montreal, Q
Davis, Wm. Patrick, Ottawa, O
Dougall, Wilfrid, Montreal, Q
Fairie, James A., Montreal, Q
Fairman, Ernest Edward, Montreal, Q
Girdwood, Kennet John, Montreal, Q
Gréig, Alex. R., Montreal, Q
Gamba, Emilio, Bogota, Columbia, S.A
Griffin, Michael Ed., Georgetown, P.E.I
Gwillim, John Cole, Winnipeg, M
Hart, Orobio Chandler, Cowansville, Q
Hutcheson, R. Bennett, Montreal, Q
Jacobie, John B., Montreal, Q
Jones, Chs. Hugh, Cote St. Antoine, Q
Johnson, Ed. Breston, Ottawa, O
King, Robert Owen, Montreal Q
Loeb, Alf. Augustus, Montreal, Q
Metcalfe, Thos. Henry, Montreal, Q
Moodie, Kenneth, Chesterville, O
McBean, A. Stewart, Montreal, Q
McDunnough, R. Baylis, Montreal, Q
McKay, Chs. Edward, East Hatley, Q
McDougall, G. Dewar, Amherst, N.S
McKenzie, Alex., Cote St. Antoine, Q
McNaughton, Peter, Huntingdon, Q
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Olive, W. McHenry, St. John, N.B
Plummer, Thos. H., Montreal, Q
Primrose, John, Pictou, N.S
Purves, Arch., North Sydney, C.B
Robins, Sampson P., Montreal, Q
Rogers, F. Doughty, Montreal, Q
Saunderson, E. L. Wm., Montreal, Q
Schurman, N., North Bedeque, P.E.I
Scott, Alf., Port Hope, O
Skill, H. Geo., Cobourg, O
Trenholme, A. K., Cote St. Antoine, Q
Trenholme, N. M., Cote St. Antoine, Q
Trenholme, H. R., Trenholmeville, Q
Van Barneveld, C. E., Grindstone, M. I
Ward, Fleetwood H., Montreal, Q
Wilkin, F. Alf., Calgary, N.W.T
White, Frank H., Montreal, Q
White, Thos. W, St. John, N.B
Barclay, H. H., St. Andrews East, Q
Thomas, C.F.W., Lyster, Megantic Co., Q

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Costigan, J. Shearer, Montreal, Q
Dudderidge, Wm., Lachute, Q
Darling, Edward, Montreal, Q
Gunn, Robert A., Montreal, Q
Holden, A. R., B.A., Montreal, Q
Henry, J. K., B.A., Sennett, N.Y., U.S.
Shaw, H. H., Brackley Point, P.E.I
Duff, Wm. Alex., Montreal, Q
Collyer, Alfred, Sussex, Eng.
Connor, M. F., Ottawa, O
Dyer, L. W. E., Montreal, Q
Larmonth, J. H., Ottawa, O
Leach, Wm. Wilson, Montreal, Q
Longworth, C.H. B., Charlottetown PEI
Lorway, John Muir, Sydney, C.B
Molson, Herbert, Montreal, Q
Mooney, H. Seward, Montreal, Q
Morris, John Wm., Wallace, N.S
Mudge, A. Langley, Montreal, Q
Naas, Robt. David, Lunenburg, O
Pitcher, Frank Henry, Montreal, Q
Scammell, J. Kimball, St. John, N.B
Scott, W. Moffat, Charlottetown, P.E.I
Whiteside, O. E. S., Metcalfe, O
Lambert, Frank, England
Cole, A. Augustus, B.A., Montreal, Q

THIRD YEAR.

McLeod, Thos. M., Georgetown, P.E.I
Rutherford, Forest, Cote St. Antoine, Q
Robert, A. M. A., Ottawa, O
Street, Leonard Lee, Fredericton, N.B
Burns, J. Andrew, Montreal, Q
Barnes, Howard Turner, Montreal, Q
Bowden, Wm. Arthur, Richmond, Q
Dawson, Alex. Scott, Pictou, N.S
Featherston, J. Hamilton, Montreal, Q
Greenberg, Louis, Montreal, Q
Herdt, Henri, Montreal, Q
Herdt, Louis, Montreal, Q
Holman, R. Claude, Summerside, P.E.I
Lawrie, Wm. Pitt, Quebec, Q
MacPhail, J. Alex., Orwell, P.E.I
Massey, Arthur W. K., Montreal, Q
Murphy, David A., Montreal, Q
Rankine, John R., Montreal, Q
Ryan, A. J., Rouses' Point, N.Y., U.S.A
Simpson, Lincoln, Cavendish, P.E.I
Stevenson, J. A., South Granby, Q

FOURTH YEAR.

Boustead, Wm. Edward, Toronto, O
Antliff, John Holden, Montreal, Q
Adams, W. Chamblet, Montreal, Q
Bolton, Ellsworth D., Listowel, O
Copeland, Louis Ben., Berthier, Q
Cunningham, W. Norton, Montreal, Q

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| Kingston, C. B., B.A., | Montreal, Q | Smart, Wm. C. Gregory, | Hamilton, O |
| Klock, Alonzo John, | Aylmer, Q | Smith, Geo. Sinclair, | Petitcodiac, N.B |
| Le Rossignol, Peter H., | Montreal, Q | Stuart, Henry Black, | Montreal, Q |
| Murphy, P. Jos., | Quebec, Q | Tighe, James, | Holyoke, Mass., U.S.A |
| McGregor, J. Murray, B.A., | Montreal, Q | Wainwright, J. G. R. | St. Andrews, Q |
| Purves, J. Geo. H., | Sydney, C.B | Warren, Wm. Henry, | Montreal, Q |

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|---|---|---|---|
| Anderson, B. | Montreal, Q | McAlpine, D. | Vankleek Hill, Ont |
| Baker, G. P. | Binscarth, Man | McCall, F. D. | Montreal, Q |
| Buchan, J. A. | L'Orignal, Ont | McGillveray, J. D. | Laggan, Ont |
| Cary, E. J. | North Adams, Mass | McLeod, J. | Howick, Q |
| Cleaves, A. S. | Boston, Mass | Thomas, R. | Middlebush, N.J |
| Cleveland, H. R. | Danville, Q | Shaw, J. R. | Honolulu, H.I |
| French, C. | London, Eng | Salley, J. L. | Skowegon, Me |
| Grattan, R. H. | Preston, Minn | Smith, D. | Montreal, Q |
| Hall, A. H. | Leeds, Q | Solant, J. V. | Inverness, Q |
| Hollingworth, J. B. | Buckingham, Q | Urquhart, H. | Montreal, Q |
| Moore, A. E. | Stanbridge, Q | Walsh, H. J. | Ormstown, Q |
| Mulvey, C. J. | Mooers, N.Y | | |

### SECOND YEAR.

| | | | |
|---|---|---|---|
| Brainerd, E. | Kakoka, Mo | Orr, O. G. | New Armagh, Q |
| Campbell, J. G. | Montreal, Q | Patterson, J. H., | Montreal, Q |
| Cleaves, A. S. | Rindge, N.H | Plaskett, W. S. | Woodstock, Ont |
| Denny, H. E. | New York, N.Y | Stephens, J. | Huntingdon, Q |
| Ewing, A. J. A. | Montreal, Q | Thayer, S. W. | Cambridge, Mass |
| McGuire, W. C. | Shawville, Q | Tracy, A. W. | Sherbrooke, Q |
| Morrin, Wm. | Bell Rivière, Q | Wylie, M. C. | New Harmony, Ind |

### THIRD YEAR.

| | | | |
|---|---|---|---|
| Balmer, W. M. | Cambridge, Mass | McDougall, J. | Montreal, Q |
| Barton, F. | Sherbrooke, Q | McIntyre, J. D. | Clifton, P.E.I |
| Bolger, D. L. | Cambridge, Mass | McNaughton, D. D. | Laggan, Ont. |
| Dunton, H. B. | Richmond, Q | Plaskett, Jos. | Woodstock, Ont. |
| Dyer, R. E. | Boston, Mass | Pote, T. B. | New Harmony, Ind |
| Gangleff, G. E. | Buffalo, N.Y | Ramsay, R. A. | Eden Mills, Ont |
| Hadley, A. | North Georgetown, Q | Rathbone, J. L. | Montreal, Q |
| Lamb, A. S. | Montreal, Q | Robb, E. M. | Montreal, Q |
| Lee, G. H. | Boston, Mass | Robertson, A. T. | Howick, Q |
| Lofgren, O. C. | Sauk Centre, Minn | Seale, J. H. | Granby, Q |
| Moffatt, S. J. | Ormstown, Q | Wells, G. P. | Cochrane, N.W.T |
| Moffett, J. W. | Harper, Kan | | |

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## SUMMARY.

| | | | | |
|---|---|---|---|---|
| Students in Law, McGill College | | | | 39 |
| " in Medicine, " | | | | 257 |
| " in Arts :— " | | | | |
| | Men | Graduates | 1 | |
| | | Undergraduates | 135 | |
| | | Partial | 53 | |
| | | Occasional | 58 | |
| | Women | Graduates | 7 | |
| | | Undergraduates | 43 | |
| | | Partial | 3 | |
| | | Occasional | 62 | 362 |
| Students in Arts, Morrin College | | | | 12 |
| " " " St. Francis College | | | | 15 |
| " " " Stanstead Wesleyan College | | | | 1 |
| " " Applied Science, McGill College :— | | | | |
| | | Undergraduates | 75 | |
| | | Partial | 10 | 85 |
| " Veterinary Science | | | | 54 |
| | | | | 825 |
| Deduct entered in two Faculties | | | | 3 |
| | | | | 822 |
| McGill Normal School Teachers-in-training | | | | 104 |
| Total | | | | 926 |

# Donations to Library and Museum.

FROM JUNE, 1891, TO MAY, 1892.

## TO THE LIBRARY.

From Messrs. MacMillan & Co., London: Herodotus, Book VII., with notes by A. F. Butler, Book VI.

From the author (George Washington Moon): Men and Women of the Time, 13th edition, 1891.

From Professor Bovey: Steam (new edition), Its Generation and Use, 1891.

From Baron Ferd. von Mueller, Melbourne, Australia: Select Extra-Tropical Plants, readily eligible for industrial culture or naturalization, 7th ed., 1888.

From the McGill Graduates' Society: Character Writings of the 17th Century, being Vol. 14 of the Carlsbrooke library.

From the Director of the U.S. Mint, Washington: Report upon the Production of the Precious Metals for 1890.

From the Kansas Academy of Science, Topeka, Kansas: Transactions, Vol. 12, 1890.

From Professor Bovey: Transactions, Vol. 12, 1890 (another copy).

From the California State Mining Bureau: Tenth Annual Report of the State Mineralogist, with maps to accompany same.

From the Meteorological office, Toronto: Report of the Meteorological Service of Canada for 1887; rain fall maps to accompany same.

From Sir J. W. Dawson: Arkansas Geological Survey, annual report for 1889, Vol. 2.

From Aberdeen University: Calendar for 1891-92.

From McGill College Graduates' Society:

English Men of Letters series—Bunyan, Goldsmith, Burns, Hume, Macaulay, Southey, Spenser, Sterne, Thackeray, 9 vols.; Shakespeare's England, by Wm. Winter; Milton's Arcades and Comus, by A. Wilson Verity; English Statesmen's series—Peel; Men of Action series—Drake, Warwick; Constitutional Documents of Canada, by Wm. Houston; Canada and the Canadian Question, by Goldwin Smith; Analysis of English History, by C. W. A. Tait; the Journal of Sir Walter Scott; The American Commonwealth, Bryce, 2 vols.; Principles of English Etymology (first and second series), by Walter W. Skeat, 2 vols.; the Arthurian Legend, by John Rhys; English Miracle plays, by A. W. Pollard; Short Studies of Shakespeare's plots, by Cyril Ransome; The Vikings in Western Christendom, by C. F. Keary; the Historic Note Book, by Rev. E. C. Brewer; Key to North American Birds, 1890, by Elliott Coues; Constitutional History of the United States, by Von Holst, Vols. 2 and 3. 2 vols.; Intellectual Life, by Philip G. Hamerton; Deutsche Lyrik, by Bacheim. In all, 32 vols.

From the Provincial Government, Quebec, Journals of the Legislative Assembly, Vol. 25, 1890; Do, the same in French, Vol. 25.

From the University of London: Calendar for 1891-92.

From the Chief of Engineers, U.S. Army, Annual Report for 1890 (4 vols.).

From the Dominion Government, Ottawa: Annual Supplement to the Catalogue of the Parliamentary Library.

From the Trustees of the British Museum: Catalogue of Fossil Fishes, Part 2; Catalogue of Fossil Cephalopoda, Part 2.

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From the Oxford Historical Society, per Peter Redpath, Esq.; Oxford City Documents, 1268-1665, by J. E. Thorold Rogers.

From the Secretary of State for India: The Great Trigonometrical Survey of India, Vols. 11, 12 and 13, 3 vols.

From the British Association for the Advancement of Science: Report of 60th meeting held at Leeds.

From the publishers (Messrs. Merriam & Co.), Springfield: Webster's International Dictionary.

From Francis McLennan: Histoire des Albigeois, par Napoleon Peyrat, 3 vols.; English and German Dictionary, Flugel.

From Edinburgh University; Calendar for 1891-92.

From the Engineering News Publishing Co.: the Cleansing and Sewerage of Cities, by R. Bannister.

From the Nebraska University Agricultural Experiment station, Lincoln, Neb.: Fourth Annual Report, 1891.

From L. O. Bourget, Regina, N.W.T.: Revised Ordinances of the Northwest Territories passed by the Legislative Assembly, 1888-90.

From Baron Ferd. von Mueller, per Sir J. W. Dawson: Australian Association for the Advancement of Science, Vol. II, Melbourne, 1890.

From the Geological Survey of Pennsylvania: New general map of the Anthracite region, 1891.

From Prof. Bovey: Lessons in Elementary Practical Physics, Part I., Stewart and Gee.

From Peter Redpath, Esq., the following works: Aristotle on Constitution of Athens; do, Fac-simile of Papyrus; Government of India—Selections of Despatches, 3 vols.; Calendars of State Papers, 6 vols; Acts of Privy Council, Vols. 1 and 2; Chronicles and Memorials, 3 vols.; do, Scottish series, 2 vols.; Guide to Documents in Record Office; Report of Royal Commission on Hist. MSS., 5 vols.; New Club Series, Chalmers, Vol. 5; Hakluyt Society Publication, Vols. 79 and 80; Surtees Society, 1884, 1885, 1886 and 1887; Pertz' Monumenta Scriptorum, 34 vols.; Muratori Scriptores Italicarum, 31 vols.; Stevens' Fac-similes, 4 vols., 6 and 9; Foster's Index Ecclesiasticus; Murray's Dictionary, 2 parts, part 5, Vol. 3, part 1; Paul and Braune—Beitrage, 14 vols.; Anglia, 12 vols., and Mitteilungen, 1 vol., 13 vols., Annual Register, 1889—in all, 129 vols., and 2 parts Murray's Dictionary.

From the estate of the late Miss Rimmer, per Hugh McLennan, Esq: "Useful Knowledge Series," 9 vols.; La Vie et les Mœurs des Animaux, by L. Figuier; The Canadian Naturalist and Geologist, 1 series, 4 vols.; The Works of Sydney Smith; Aristotle, a chapter from the History of Science, by G. H. Lewes; Diary of the Right Hon. Wm. Windham; Memoirs of Sir Robert Peel, by J. Guizot; Lives of British Statesmen, by J. Macdiarmid; Elements of Algebra, by Rev. J. W. Colenso, D.D.; Lives of the Seven Bishops committed to the Tower in 1688, by Agnes Strickland; History of the Bank of England, by John Francis; History of Banks for Savings in Great Britain and Ireland, etc., by Wm. Lewins; Capital, Currency and Banking, etc., by James Wilson—In all, 24 volumes.

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by J. B. Lock; Plautus, the Captive, with notes by A. R. S. Hallidie; Thucydides, Book II.; do, Book V, with notes by C. E. Graves.

From the Smithsonian Institute, per Sir J. W. Dawson: The Forest Trees of America, by Asa Gray; Annual Report of the Regents, 1889; Annual Report of the Board of Regents, 1888-89.

From Messrs. Ginn & Co., Boston: The Modalist, or The Laws of Rational Conviction, by E. J. Hamilton.

From the Trustees of the Missouri Botanical Gardens, St. Louis: Second Annual Report, 1891.

From Messrs. G. & C. Merriam & Co., Springfield, Mass., per Sir J. W. Dawson: Webster's International Dictionary for the "Engineering Building."

From the Queen's Printer, Manitoba: Acts of the Legislature of the Province of Manitoba, Winnipeg, 1891, Vol. 1, Public Acts.

From N. H. Winchell, State Geologist, Minneapolis, Minn.: The Iron Ores of Minnesota, 1891; The Geological and Natural History Survey of Minnesota, 18th Annual Report for 1891.

From A. W. Greely, U.S. War Department, Washington: Weather Maps for May, June, July, August and September.

From Glasgow University: Calendar for 1891-92.

From Institution of Civil Engineers, London, England: Proceedings of the Institution, Vol. 104.

From the author (G. B. Longstaff): "Studies in Statics."

From McGill Graduates' Society: History of the 18th Century Literature, 1660-1780, by E. Gosse; History of Elizabethan Literature, by G. Saintsbury.

From the Royal Colonial Institute: Report of Proceedings, Vol. 22, 1890-91.

From University of Sydney, N.S.W.: Calendar for 1891.

From the American Association for the Advancement of Science: Proceedings of the 39th meeting, held at Indianapolis, August, 1890.

From the author (Maurice Hime), per Sir J. W. Dawson: Efficiency of Irish Schools, and their Superiority to English Schools; Hime's Introduction to Greek; do, to Latin.

From Dr. J. Clark Murray (the author): An Introduction to Ethics.

From the Toronto University: Calendar for 1891-92.

From Prof. Penhallow (the author): "The Botanical Collector's Guide."

From the Society of Engineers, London: Transactions for 1890 and General Index, 1861 to 1890.

From Hearn & Harrison, Montreal: Illustrated Catalogue.

From Le Ministère des Travaux Publics, Paris: Statistique de l'Industrie Minière et des Appareils à Vapeur pour l'année 1889.

From the author (Rev. W. H. Withrow, M.A., Toronto): "The Catacombs of Rome."

From the Geological Survey of Canada, Ottawa: Annual Report, Vol. 4, 1888-89.

From the State Board of Health, Boston: Purification of Sewage and Water, 1890.

From Sir J. W. Dawson: Year Book of the Brooklyn Institute, 1890-91.

From the Dominion Government of Canada, Ottawa: Statistical Year-Book of Canada for 1890.

From H. L. Fairchild, Sec. Geol. Socy. of America, Rochester, N.Y.: Bulletin of the Geological Society of America, Vols. 1 and 2.

From U.S. National Museum: Proceedings, Vol. 13, 1890, per Smithsonian Institute.

From Professor Bovey: Owen's College Calendar, 1881-82.

From W. G. Simmons, Montreal, per Prof. Penhallow: Cocoa and Chocolate; A Short History of their Introduction and Use; The Chocolate Plant and Its Products.

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From the Geological Survey of Pennsylvania: Report of Second Annual Survey-Report of Progress, F. 3, 1888-89; Atlas, Western Anthracite Field AA., Part 3; Atlas Northern Anthracite, Field AA., Part 4; Atlas, Northern Anthracite Field AA., Part 6—In all, 52 volumes.

From Macmillan & Co., London; Short Historical Grammar of the German Language, by Emil Trechman; Cicero in his Letters, edited by Robert W. Tyrrell.

From the Lick Observatory, Sacramento, Cal.: Reports on Total Eclipse of the Sun, December 21 and 22, 1889.

From the United States Coast and Geodetic Survey: Report of Progress, 1888-89.

From the Provincial Government, Quebec: Sessional Papers, Vol. 25-3, 1890.

From the Medical Faculty, per Dr. Shepherd: 24 volumes miscellaneous.

From Owens College, Manchester, Eng.: Calendar for 1891-92.

From the Commissioner of Fish and Fisheries, Washington: Report for 1887.

From Prof. Egleston, New York: Van Nostrand's Eclectic Engineering Magazine, Vol. 1 to 35, a complete set; Proceedings of the American Association for the Advancement of Science, 1878 to 1890, 16 vols. in paper cover.

From J. F. Muirhead, London, Eng.: Baedeker's Handbook, London and its Environs, 1889.

From the Institution of Civil Engineers, London, Eng.: Minutes of Proceedings, Vol. 106, 1891; Brief Subject Index, Vols. 59 to 106; Engineering Education in the British Dominions, 1891.

From the Weather Bureau, Washington: Weather Maps for October, November and December.

From the Dominion Government, Ottawa: Sessional papers; Reports 1891, 15 vols.

From the Director of the United States Mint: Annual Report, 1890 and 1891.

From the Secretary of State for India: Great Trigonometrical Survey of India, Vol. 14.

From the Ontario Government, Department of Agriculture: Annual Report for 1890, 2 copies.

From Harvard University: Catalogue 1891-92.

From Professor Darey: Principes Généraux du Droit International Public.

From the U.S. Geological Survey: Tenth Annual Report, 1888-89, Part I, Geology; Part II, Irrigation.

From Mr. Peter Redpath: Oxford Historical Society's publications; Life and Times of Anthony Wood.

From Sir J. W. Dawson: Catalogue of College of New Jersey, Princeton; Experimental Farms (Ottawa), Reports for 1890.

From Francis McLennan: Life of Christ, by J. P. Lange, D.D., 6 vols.

From W. C. McDonald, Esq.: 280 volumes on Electricity and Steam Engines, etc., and a number of Pamphlets.

From the author (Dr. Archibald Duff): Theology of the Old Testament.

From the American Society of Mechanical Engineers: Proceedings, Vol. 12, 1891.

From the Royal Institute of British Architects: Transactions, Vol. 7, new series, 1891.

From the Dublin University: Calendar 1892; Examination Papers for 1892.

From John Wiley, Esq., New York, per Prof. Bovey: Works of John Ruskin, complete, 20 vols.

From F. A. Crisp, London, Eng.: The Parish Registers of Ongar, Essex, from 1558 to 1750.

From the Institution of Mechanical Engineers: Proceedings Liverpool Meeting, July, 1891; do, London, October, 1891.

From the American Institute of Mining Engineers: Transactions, Vol. 19, 1891.

From the National Electric Light Association, New York: Report of the Proceedings at Annual Conventions, 9 vols. (5 in paper covers).

From Francis McLennan: Manual of Chinese Bibliography, by Mollendorff; Schlosser's History of the 18th Century, 8 vols.

From the Johns Hopkins' University of Baltimore: Higher Education in Indiana, by Jas. A. Woodburn; The Bishop Hill Colony, by Michael Mikkelsen.

From Sir J. W. Dawson: Statutes and Regulations respecting Public and High Schools, Ontario; Annual Report of the Geological Survey of Arkansas, 1888; Report of the Minister of Education, Ontario, for 1891.

From the Dominion Government, Ottawa: Debates of the House of Commons, session 1891, 3 vols.; Journals of the Senate, Vol. 25, 1891; Journals of the House of Commons, Vol. 25, 1891.

From the Provincial Government, Quebec: Sessional Papers; Answers to Addresses, Vol. 25, III, 1890; Departmental Reports, Vol. 24, I, 1890.

From Dr. Johnson: Dublin Translations into Greek and Latin Verse, edited by R. Y. Tyrrell.

From Her Majesty's Government, per the Secretary of State: Report of H. M.S. "Challenger" Expedition, "Deep Sea Deposits."

From the U.S. Government, Washington: Annual Report of the Chief Engineers in U.S. Army, 6 vols.; Contributions to North American Ethnology, 3 volumes.

From Miss Ramsay, 65 Victoria St.: Miscellaneous—Arctic Voyages, etc., 14 vols.

From the Smithsonian Institution, Washington: Annual Report U.S. National Museum, 1889.

From the British Association for the Advancement of Science: Report, Cardiff Meeting, 1891.

From P. T. Lafleur: Hecuba—Euripides, by R. Porson.

From the Volunteer Mission Bands of the Y.M.C.A and Y.W.C.A of McGill University: Encyclopædia of Missions, 2 vols. Edited by Rev. Edwin M. Bliss.

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UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND BISHOP'S COLLEGE, LENNOXVILLE.

SESSION 1892–93.

The Joint Board of Representatives of McGill University and the University of Bishop's College is prepared to organize and superintend courses of Lectures and Classes in populous centres for English-speaking audiences in the Province of Quebec.

## OBJECT.

The purpose of the Local Lectures is to provide the means of higher education for persons of all classes and of both sexes engaged in the regular occupations of life. To obtain this object the Lectures will be organized upon the general lines which have been worked out successfully from twenty years experience in England.

## PLAN OF THE LECTURES.

In order to make the teaching at the same time attractive and thorough, a special method is followed.

1. The courses consist of ten weekly lectures, each lecture occupying an hour.

2. For about an hour preceding or following each lecture a Class is held for those students who wish to study the subject more thoroughly. The teaching in the class is conversational, and its object is to enable the Lecturer to answer questions or solve difficulties which have occurred to students, and to give advice as to text-books and other means of studying the subject.

The ten Lectures and Classes, which may be given in the three months before or three months after Christmas, form a continuous course on one subject.

3. In order to enable Students to follow the lecture readily and to carry away the substance of it, a printed syllabus in pamphlet form is prepared beforehand by the Lecturer for the use of Students.

4. Questions (printed in the syllabus) are set upon each Lecture. Those who desire to answer the questions write their answers at home during the week, and forward them to the Lecturer for correction and comment.

5. At the end of the Course an examination is held by the Lecturer, and another Examiner appointed for the purpose by the Joint Board of the Universities. The examination is not compulsory. Only those are admitted to it who have

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attended the Lectures and Classes to the satisfaction of the Lecturer, and have done such an amount of weekly paper-work as the Lecturer may have required.

A list of the Candidates who have satisfied the Lecturer and Examiner is published, the names being arranged in alphabetical order. The list also indicates those who are recommended both by the Lecturer and Examiner for special distinction. Certificates of Passing and of Distinction are granted, based upon (1) the Lecturer's Report of the weekly work, (2) the final examination.

It will be seen that this system is adapted at the same time to persons who desire merely a general acquaintance with the subjects taught and to Students who are anxious to make a more thorough study. The majority of the courses in the English system have been given in the evening, as the fundamental idea throughout has been education for busy people. The audiences have included persons drawn from all ranks of society and of the widest diversity of previous education and training.

## SUBJECTS OF THE LECTURES.

The Universities expect to provide Lectures on subjects connected with

I. English Language and Literature.

II. History and Archæology.

III. Logic, Mental and Moral Philosophy, and Political Science.

IV. Chemistry and its applications.

V. Astronomy.

VI. Electricity and other branches of Physical Science.

VII. Botany and Zoology, Animal and Vegetable Physiology.

VIII. Mineralogy and Geology.

## APPOINTMENT OF LECTURERS.

In accordance with the requirements of the General Council for the extension of University teaching, Lecturers are appointed by the Joint Board only upon recommendation by a University and after inquiry as to special qualifications and approval of the syllabus submitted. The choice of a lecturer and subject from the list approved by the Board is made in each case by the Local Centre concerned.

## ORGANIZATION OF A CENTRE.

When it is desired to establish a course of Lectures, a Local Committee should first be got together, and a guarantee fund formed sufficient to cover the expenses of the Course. The Local Committee undertakes all responsibility for hire of rooms, lighting, printing and sale of tickets, etc.; it fixes the price of tickets according to the size and class of audience expected, with a view to making the Lectures self-supporting, and chooses the subject and the Lecturer, communicating its wishes to the Joint Board through its Secretary.

## EXPENSES OF A COURSE.

The payment to the Joint Board for a complete course of Ten Lectures and Classes, with examination, is $150. In cases where a lecturer from a distance is chosen, or much apparatus is used, travelling expenses and the cost of hiring apparatus will be an extra charge.

Further information may be obtained from the Secretary to the Joint Board, Professor J. Cox, McGill University, Montreal,

May, 1892.

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# REGULATIONS

## AS TO COLLEGE GROUNDS.

Under the regulations of the Governors, restricting the use of the exercise grounds to College clubs, and until permanent arrangements can be made in connection with a new gymnasium on the grounds, the following rules are in force :—

1. The membership of all clubs using the grounds must consist exclusively of members of the University.

2. No damage must be done to fences, trees, grass, etc.

3. All clubs desiring to use the ground in the time of the statutory college session, *i.e* , from September 1st to May 1st, must register their officers, objects, rules and time desired, in the Principal's office, on or before September 20th in each year, when rights and privileges will be assigned to them.

4. Clubs desiring to use any portion of the grounds in the summer vacation that is, from May 1st to September 15th, shall register as above on or before April 1st.

5. No clubs not so registered can be recognized, nor any right of students no organized in regular clubs.

6. No club has any right to invite strangers, except by special permission of the Board of Governors.

7. The University Athletic Association may use the grounds for the training of its members from September 1st to date of the College sports, at such times as may be necessary. Tickets shall be furnished to Students so in training.

8. All the above privileges are subject to be revoked at any time by resolution of the Governors.

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BENEFACTORS OF

# McGill University, Montreal.

## I. *Endowments and Subscriptions of the University and of the Faculty of Arts.*

### 1. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....$120,000

### 2. UNIVERSITY BUILDINGS, ETC.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally, opened to the public, August, 1882.

THE WILLIAM C. McDONALD Physics building and equipment of same, the gift of William C. McDonald, Esq., announced by him as a gift to the University in 1890.

Lots for University buildings adjoining the College grounds fronting on McTavish St. presented by J. H. R. Molson, Esq.—$42,500.

THE PETER REDPATH LIBRARY BUILDING, the gift of Peter Redpath, Esq., announced by him as a gift to the University in 1891.

### 3. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B.A., in classes wholly separate, to constitute a separate Special Course or College for women,—$120,000.

### 4. ENDOWED CHAIRS, ETC.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq. —$20,000, and supplemented in 1892 by John H. R. Molson, Esq., with a further sum of $20,000. Total $40,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S. and Hart Logan, Esq.,—$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham.—$20,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—$42,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to the Faculty of Arts.

THE WILLIAM C. MCDONALD CHAIR OF PHYSICS, in 1890, endowed by William C. McDonald, Esq.,—$50,000.

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University ; founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—$40,000.

THE CHARLES GIBB BOTANICAL ENDOWMENT, received by subscriptions, the endowment to be invested by the Board of Governors and the income devoted to the maintenance of the Chair of Botany in the Faculty of Arts, and to procuring appliances therefor.

Miss Elizabeth C. Orkney.—$2,000.

Mrs. Catherine Hill.—$2,000

W. C. MCDONALD PHYSICS BUILDING Maintenance Fund, endowed by W. C. McDonald, Esq. to be invested and interest used to meet the expense of Heating, Lighting Insurance and salary of caretaker, $40,000.

## 5. EXHIBITIONS AND SCHOLARSHIPS, ETC.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts, $100 annually—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of $1,667.

THE MCDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882 with the sum of $25,000, by William C. McDonald, Esq.—Annual value, $1,250.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871 by Charles Alexander, Esq.—Annual value, $120.

THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2,000, in 1884.—Annual value, $100.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts.—Annual value, $125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of $1,500.—Annual value, $75.

T. M. THOMPSON, Esq.—$250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872,—$450.

REV. COLIN C. STEWART—for the "Stewart Prize in Hebrew,"—$60.

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value, $100—terminated in 1878.

PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-7,—$350.

HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarship for 1891, value £150 annually, tenable for two years.

THE PHILIP CARPENTER FELLOWSHIP—founded by Mrs. Philip Carpenter, for the Maintenance of a Post Graduation Teaching Fellowship or Scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College, endowed with the sum of $7000.

A Lady to provide four (4) free tuitions in the Faculty of Arts four session 1892-3.

## 6. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of $700.

In 1860 the sum of £200, presented to the College by H. R. H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

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In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physical Science.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England, from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint—was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G S., &c.

In 1874 a Gold and Silver Medal were given by his Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1875 the "Neil Stewart prize in Hebrew" was endowed by Neil Stewart, Esq., of Vankleek Hill, in the sum of $340.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd year, who have attended the University Gymnasium. The Gold Medal was continued to 1889 and the Silver and Bronze have been continued to date.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

THE "CHARLES G. COSTER MEMORIAL PRIZE" for general proficiency—given annually by Colin H. Livingstone, Esq., B. A., founded in 1889.

## 7. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

### 1856.

| | | | |
|---|---|---|---|
| John Gordon McKenzie, Esq | $2000 | Charles Alexander, Esq | $600 |
| Ira Gould, Esq | 2000 | Moses E. David, Esq | 600 |
| John Frothingham, Esq | 2000 | Wm. Carter, Esq | 600 |
| John Torrance, Esq | 2000 | Thomas Patton, Esq | 600 |
| James B. Greenshields, Esq | 1200 | Wm. Workman, Esq | 600 |
| William Busby Lambe, Esq | 1200 | Hon. Sir A. T. Galt | 600 |
| Sir George Simpson, Knight | 1000 | Hon. Luther H. Holton | 600 |
| Henry Thomas, Esq | 1000 | Henry Lyman, Esq | 600 |
| John Redpath, Esq | 1000 | David Torrance, Esq | 600 |
| James McDougall, Esq | 1000 | Edwin Atwater, Esq | 600 |
| James Torrance, Esq | 1000 | Theodore Hart, Esq | 600 |
| Hon. James Ferrier | 1000 | William Forsyth Grant, Esq | 600 |
| Harrison Stephens, Esq | 1000 | Robert Campbell, Esq | 600 |
| Henry Chapman, Esq | 600 | Alfred Savage, Esq | 600 |
| Honourable Peter McGill | 600 | James Ferrier, jun., Esq | 600 |
| John James Day, Esq | 600 | William Stephen, Esq | 600 |
| Thomas Brown Anderson, Esq | 600 | N. S. Whitney, Esq | 600 |
| Peter Redpath, Esq | 600 | William Dow, Esq | 600 |
| Thomas M. Taylor, Esq | 600 | William Watson, Esq | 600 |
| Joseph McKay, Esq | 600 | Edward Major, Esq | 600 |
| Donald Lorn McDougall, Esq | 600 | Honourable Charles Dewey Day | 200 |
| Hon. Sir John Rose | 600 | John R. Esdaile, Esq | 200 |

1871.

| | | | |
|---|---|---|---|
| William Molson, Esq | $5000 | T. W. Ritchie, Esq | $ 600 |
| William C. McDonald, Esq | 5000 | Messrs. A. & W. Robertson | 600 |
| Thomas Workman, Esq | 5000 | Messrs. Sinclair, Jack & Co | 250 |
| John Frothingham, Esq | 5000 | John Reddy, M.D | 100 |
| J. H. R. Molson, Esq | 5000 | Wm. Lunn, Esq | 100 |
| John McLennan, Esq | 2000 | Kenneth Campbell, Esq | 100 |
| B. Gibb, Esq | 600 | R. A. Ramsay, Esq | 100 |
| W. Notman, Esq | 600 | William Rose, Esq | 50 |

1881-82.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $5000 | O. S. Wood, Esq | $1000 |
| G. A. Drummond, Esq | 4000 | J. S. McLachlan, Esq | 1000 |
| Geo. Hague, Esq | 3000 | J. B. Greenshields, Esq. (London) | 1000 |
| M. H. Gault, Esq | 2000 | Warden King, Esq | 1000 |
| Andrew Robertson, Esq | 1000 | W. B. Cumming, Esq | 1000 |
| Robertson Campbell, Esq | 1000 | Mrs. Hew Ramsay | 500 |
| Sir J. Hickson, and Lady Hickson. | 1000 | R. A. Ramsay, Esq | 500 |
| Mrs. Andrew Dow | 1000 | H. H. Wood, Esq | 500 |
| Alexander Murray, Esq | 1000 | James Burnett, Esq | 500 |
| Miss Orkney | 1000 | Charles Gibb, Esq | 500 |
| Hector McKenzie, Esq | 1000 | | |

1883—84.

Edward Mackay, Esq ..... $5000

## 8. SUBSCRIPTIONS FOR CURRENT EXPENSES, 1881-82.

| | | | |
|---|---|---|---|
| Principal Dawson | $1000 | Being | $1000 |
| J. H. R. Molson, Esq | 1000 | Per annum, 5 years, being | 5000 |
| George Stephen, Esq | 1000 | " " | 5000 |
| Hon. Donald A. Smith | 1000 | " " | 5000 |
| David Morrice, Esq | 200 | " " | 1000 |
| Messrs. Gault Brothers & Co | 200 | " " | 1000 |
| Messrs. S. H. & A. S. Ewing | 200 | " " | 1000 |
| Hon. Robert Mackay | 300 | Per annum, 2 years, being | 600 |
| Jonathan Hodgson, Esq | 100 | " 5 " | 500 |
| Geo. M. Kinghorn, Esq | 100 | " 5 " | 500 |
| Thomas Craig, Esq | 100 | " 2 " | 200 |
| John Rankin, Esq | 200 | Being | 200 |
| John Duncan, Esq | 200 | " | 200 |
| Robert Benny, Esq | 100 | " | 100 |
| Miss E. A. Ramsay | 100 | " | 100 |
| Hugh Paton, Esq | 50 | For 2 years, being | 100 |
| George Brush, Esq | 25 | For 5 years, being | 125 |
| J. M. Douglas, Esq | 50 | Being | 50 |
| James Court, Esq | 50 | " | 50 |
| David J. Greenshields, Esq | 300 | " | 300 |

1887-88.

| | | | |
|---|---|---|---|
| John H. R. Molson, Esq | $1000 | Per annum, 3 years, being | $3000 |
| W. C. McDonald, Esq | 1000 | " " " | 3000 |
| Peter Redpath, Esq | 1000 | " " " | 3000 |
| Hon. Sir Donald A. Smith, K.C.M.G. | 1000 | " " " | 1500 |
| Hon. Jas. Ferrier | 500 | " " " | 1500 |
| Sir Joseph Hickson | 500 | " " " | 750 |
| Hugh McLennan, Esq | 250 | " " " | 750 |
| E. B. Greenshields, Esq | 250 | " " " | 750 |
| George Hague, Esq | 250 | " " " | 750 |
| John Molson, Esq | 250 | " " " | 750 |
| Samuel Finley, Esq | 250 | | |

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| | | |
|---|---|---|
| Mrs. Mackay, | 1888-89 | $100 |
| Do | 1889-90 | 100 |
| Do | 1890-91 | 100 |
| Do | 1891-92 | 100 |

9. TO PROVIDE SESSIONAL LECTURERS.

| | | |
|---|---|---|
| Hon. Sir Donald A. Smith, | 1891-92 | $3500 |
| Do | 1892-93 | 4000 |
| Mrs. John H. R. Molson, | 1891-92 | 300 |

## II. *Endowments and Subscriptions for the Faculty of Applied Science.*

### 1. BUILDINGS, CHAIRS, ETC.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—$30,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to Faculty of Applied Science.

THE THOMAS WORKMAN DEPARTMENT OF MECHANICAL ENGINEERING — founded under the last will of the late Thomas Workman Esq., and endowed with the sum of $117,000. The sum of $60,000 for the maintenance of a Chair of Mechanical Engineering, with the assistance, shops, machinery and apparatus necessary thereto, $57,000 to be expended in the provision of necessary buildings, machinery and apparatus. Any balance of this to be added to the invested endowment for the maintenance of the said Department.

WILLIAM C. MCDONALD, ESQ., toward erection of Thomas Workman Workshops, $20,000.

THE WILLIAM C. MCDONALD ENGINEERING BUILDING, and Equipment of same—announced by the donor as a gift to the University in 1890.

THE WILLIAM C. MCDONALD CHAIR OF ELECTRICAL ENGINEERING—endowed by William C. McDonald, Esq., in 1891 with the sum of $40,000.

MACDONALD ENGINEERING BUILDING maintenance Fund, endowed by W. C. McDonald Esq., in 1892, the income to be devoted to paying for Heating, Lighting, Insurance and Salary of Mechanician, $45,000.

### 2. EXHIBITIONS AND SCHOLARSHIPS.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of $1,100, subscribed by members of the Society, and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science —Annual value $60.

THE BURLAND SCHOLARSHIP—founded 1882, by J. H. Burland, B. A. Sc., $100 for a Scholarship in Applied Science, for three years, being $300.

HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarship, value £150 annually, tenable for two years.

### 3. MEDALS AND PRIZES.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the council of the Association, in commemoration of its meeting in Montreal in the year 1884.

(See also under Medals and Prizes in section 1.)

### 4. ENDOWMENTS AND SUBSCRIPTIONS FOR MAINTENANCE OF FACULTY OF APPLIED SCIENCE.

*Endowment Fund.*

| | | | |
|---|---|---|---|
| Daniel Torrance, Esq | $5000 | Graduates' Endowment Fund— | |
| George Moffatt, Esq | 1000 | Class 1890—$70.00 a year for 5 | |
| Charles J. Brydges, Esq | 1000 | years | $350 |

*Annual Subscriptions*, 1871–1879.

| | | | |
|---|---|---|---|
| Hon. James Ferrier (per annum, for 10 years) | $100 | Miss Mary Frothingham (per annum, for 3 years) | $400 |
| Peter Redpath, Esq. (per annum, for 10 years) | 400 | H. McLennan, Esq. (per annum, for 5 years) | 100 |
| John H. R. Molson, Esq. (per annum, for 10 years) | 400 | A. F. Gault, Esq. (per annum, for 5 years) | 100 |
| George H. Frothingham, Esq. (per annum, for 7 years) | 400 | Gilbert Scott, Esq., for 2 years | 100 |
| T. James Claxton, Esq. (per annum, for 6 years) | 100 | Joseph Hickson, Esq., do | 100 |
| Donald Ross, Esq. (per annum, for 5 years) | 50 | Principal Dawson, do | 300 |
| | | His Excellency the Marquis of Lorne | 500 |
| | | Mrs. Redpath (Terrace Bank) | 100 |

*Toward Maintenance of Engineering Department.*

| | |
|---|---|
| W. C. McDonald, Esq | $10,000 |
| W. C. McDonald, Esq. (for advertising) | 675 |

*To provide lectures in Mechanical and Sanitary Engineering.*

| | | | |
|---|---|---|---|
| E. B. Greenshields, Esq | $ 50 | Jeffrey H. Burland, B.A.Sc., $100 for 2 years | 200 |
| J. E. Bovey, Esq | 50 | Smaller amounts | 40 |
| Professor H. T. Bovey | 61 | | |

*Chair of Practical Chemistry.*

| | | | |
|---|---|---|---|
| Hon. C. Dunkin, M.P. | $1200 | P. Redpath, Esq. | $ 226 |
| Principal Dawson | 1200 | | |

*For Maintenance of Chair of Mining Engineering and Metallurgy*, 1891.

| | | | | | | |
|---|---|---|---|---|---|---|
| R. B. Angus, Esq. | $2000 00 | | | 4350 00 | 6200 00 | |
| Mrs. Dow | 1000 00 | | | Dr. T. Brainerd | 750 00 | |
| Hugh McLennan, Esq | 1000 00 | | | A. F. Gault, Esq | 750 00 | |
| Miss Benny | 1000 00 | | | Messrs. H. & A. Allan | 750 00 | |
| T. A. Dawes, Esq. | 750 00 | | | Hector McKenzie, Esq. | 750 00 | |
| A. A. Ayer, Esq. | 250 00 | | | Peter Lyall, Esq. | 750 00 | |
| G. W. Reid, Esq. | 100 00 | | | A Robertson, Esq, | 300 00 | |
| Evans Bros. | 100 00 | | | John Duncan, Esq. | 300 00 | |
| | | $6200 00 | | Geo Hague, Esq. | 300 00 | |
| *Payable in three years.* | | | | Jonathan Hodgson, Esq. | 300 00 | |
| Sir William Dawson | $1500 00 | | | James Moore, Esq. | 200 00 | |
| Alex. Stewart, Esq., (London, Eng.) | 1500 00 | | | Messrs. Ames & Holden | 150 00 | |
| R. C. Reid, Esq. | 1500 00 | | | Jas. Cooper, Esq. | 150 00 | |
| James Ross, Esq. | 600 00 | | | | | 11,300 00 |
| E. K. Greene, Esq. | 750 00 | | | | | $17,500 00 |
| | 4350 00 | 6200 00 | | | | |

*Class Rooms for Faculty of Applied Science*, 1888.

| | | | |
|---|---|---|---|
| John R. Molson, Esq | $3000 | W. C. McDonald, Esq | 3000 |

*Surveying and Geodetic Apparatus.*

| | |
|---|---|
| W. C. McDonald, Esq | 1500 |

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## 5. LIST OF SUBSCRIBERS AND DONORS TO THE EQUIPMENT OF THE NEW ENGINEERING BUILDINGS OF McGILL UNIVERSITY, TO MAY, 1892.

Mrs. J. McDougall.....$4000
R. Hersey, Esq.....1200
R. Reford, Esq.....1000
Messrs. Garth & Co.....500
Messrs. Warden King & Son.....
Two boilers
Messrs. Jordan & Locker.
Equipment
W. Ogilvie, Esq.....$500
J. A. Pillow, Esq.....250
James Shearer, Esq.....200
G. W. Reed, Esq.....100
Messrs. A. Ramsay & Son.....100
F. Scholes, Esq.....100
Messrs. W. McNally & Co.....100
A. Ewan, Esq.....100
Mrs. Redpath.....100
E. Chanteloup, Esq.....50
Charles Sheppard, Esq.....200
G. Sadler, Esq., (Robin & Sadler)...
Belting ($400)
R. Reid, Esq.....Equipment
P. Mitchell, Esq.....Equipment ($300)
Messrs. Twyford & Co.....Equipment
D. McLaren, Esq.....$100
J. Robertson, Esq..$50 and Equipment
Kenneth Campbell, Esq.....$50
R. G. Reid, Esq.....1000
W. Drysdale, Esq.....Tools
A. Macpherson, Esq.....Tools
Swan Lamp Mfg. Co.....Lamps
Messrs. E. & C. Gurney & Co.....$604
James Ross, Esq.....$500
H. R. Ives, Esq.....Cupola
G. R. Prowse, Esq.....Equipment
Jonathan Hodgson, Esq.....$200
Messrs. Hughes & Stephenson.....
Equipment
W. H. Hutton, Esq.....
G. A. Grier, Esq.....Equipment
S. Carsley, Esq.....$100
H. Graham, Esq.....100
E. W. Rathbun, Esq.....112
Messrs. Brodie & Harvey.....50
W. Abbott, Esq.....Equipment
Henry Birks, Esq.....Clock
Kenneth Blackwell, Esq.....Equipment
A. Bremner, Esq.....$50
Campbell Tile Co., England, per
Jordan & Locker.....Equipment
F. Chadwick, Esq.....Truss Models
Crosby Steam Valve Co., Boston...
Indicator & Valves
John Date, Esq.....Equipment
D. Drysdale, Esq.....Tools
R. Forsyth, Esq.....Equipment
Messrs. Frothingham & Workman.Tools
W. E. Gower, Esq.....
Messrs. Hearn & Harrison, per L.
Harrison, Esq...Barometer & Clock
A Holden, Esq.....Equipment
John Kennedy, Esq.....Equipment
J. Laurie & Bro.....Compound Engine
G. Brush, Esq.....Boiler
Messrs. Miller Bros. & Toms.....Elevator
Wm. Kennedy, Esq., Owen Sound, Pump
Messrs. R. & W. Kerr.....Tools
A. J. Lawson, Esq.....Equipment
Messrs. D. & J. McCarthy, Sorel..$300
Norton (The) Emery Wheel. Co.,
Worcester, U. S.....Equipment
Wm. Notman, Esq.....Photographs
Radiator Co, Toronto.....$500
E. M. Renouf, Esq.....Books
Scovill Manufacturing Co...Equipment
P. W. St George, Esq.....Models
Messrs. Tees & Co.....Equipment
Messrs. James Walker & Co.....Tools
George Bishop, Esq.....Equipment
The Edison General Electric Co...
Two 450 light, dynamos
The Whittier Machine Co. (Boston)
Electric Elevator
The Thomson-Houston Co. (Boston).....Incandescent dynamos
The Royal Electric Co.....
12 Arc Light dynamos
W. Rutherford, Esq.....Equipment
Messrs. J. Bertram & Sons (Dundas).....24in. Planer
Messrs. R. W. Gardner & Son.....
16in. Lathe
Dominion Wire Manfg. Co., per F.
Fairman. Esq.....Shaper
The B. F. Sturtevant Co. (Boston)
Blowers
The Geo. Blake Pump Co. (New
York and Boston).....Pump
Ashton Valve Co. (Boston).....
Sectional Valve
Messrs. Siemens Bros. (London,
Eng.).....Cable Samples
A. T. Taylor, Esq.....$300
H. T. Bovey, Esq.....Books
The National Electric Mf'g Co.....
Transformers
W. C. McDonald, Esq.....Equipment
M. Parker, Esq.....Equipment
Messrs. Robb & Armstrong.....
80 H. P. High Speed Engine
Messrs. Pratt & Whitney. (Hartford, Conn.), Epicycloidal Gear Model
Messrs. Schaeffer & Budenberg
(Brooklyn, N. Y.)....Double Indicator
J. Costigan, Esq.....Equipment
H. Archbald, Esq.....Books
Herr Brockhaus.....Books
John Seeley, Esq.....Insulators
Messrs. Nalder Bros. & Co. (Eng.)
Standard Cell
Warrington Wire Co.....Cable Samples
The Pelton Water Wheel Company
(New York).....Two motors
Union Iron Works(St. Francisco)Motor

| | |
|---|---|
| Yale & Towne Manufacturing Co. (Stamford, Conn.) | Equipment |
| The Crocker-Wheeler Electric Motor Co. (New York) | Motor |
| American Steam Gauge Company (Boston) | Indicator |
| Messrs. John Wiley & Sons (New York) | Books |
| Messrs. John Lovell & Son | Books |
| Professor Egleston (New York) | Books |
| S. R. Earle, Esq | Air Injector |
| Eureka Tempered Copper Co. | Equipment |
| W. Foster Brown & Co. (Encyc. Brit.) | |
| Alf. Joyce | $ 50 |
| Hon. J. K. Hard | 50 |
| Peter Nicolson | 100 |

The above representing a total value of $49,000

## III. *Endowments and Subscriptions in aid of the Faculty of Medicine.*

### 1. LEANCHOIL ENDOWMENT.

Sir Donald A. Smith, K.C.M.G. ..... $50,000

### 2. CAMPBELL MEMORIAL ENDOWMENT—$63,000.

Established to commemorate the services rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

| | | | |
|---|---|---|---|
| Mrs. G. W. Campbell | $2000 | John Rankin, Esq | 500 |
| H. A. Allan, Esq | 1500 | Messrs. Cantlie, Ewan & Co | 500 |
| Sir D. A. Smith | 1500 | Robt. Reford, Esq | 500 |
| Sir George Stephen, Bart | 1000 | Messrs. J. & W. Ogilvie | 500 |
| R. B. Angus, Esq | 1000 | Randolph Hersey, Esq | 500 |
| George A. Drummond, Esq | 1000 | John A. Pillow, Esq | 500 |
| Alex. Murray, Esq | 1000 | S. Carsley, Esq | 500 |
| Robt. Moat, Esq | 1000 | D C. MacCallum, M.D | 500 |
| W. C. McDonald, Esq | 1000 | Messrs. McLachlan Bros | 500 |
| A friend | 1000 | Messrs. S. Greenshields, Son & Co. | 500 |
| Duncan McIntyre, Esq | 1000 | Jonathan Hodgson, Esq | 500 |
| Aex. Buntin, Esq | 1000 | Duncan McEachran, Esq., F. R. C.V.S | 500 |
| Al. F. Gault, Esq | 1000 | Geo. Ross, M.D | 500 |
| M. H. Gault, Esq | 1000 | T. G. Roddick, M.D | 500 |
| G. W. Stephens, Esq | 1000 | Wm. Gardner, M.D | 500 |
| James Benning, Esq | 1000 | G P. Girdwood, M.D | 500 |
| R. P. Howard, M.D | 1000 | G. E. Fenwick, M.D | 500 |
| Frank Buller, M.D | 1000 | Alex. Ramsay, Esq | 500 |
| G. B. & J. H. Burland, Esqrs | 1000 | Messrs. Cochrane, Cassils & Co. | 500 |
| Miss Elizabeth C. Benny | 1000 | Sir Joseph Hickson | 500 |
| J. C. Wilson, Esq | 1000 | Allan Gilmour, Esq. (Ottawa) | 500 |
| Mrs. John Redpath | 1000 | R. W. Shepherd, Esq | 300 |
| Hon. John Hamilton | 1000 | Miles Williams, Esq | 250 |
| Miss Orkney | 1000 | Chas. F. Smithers, Esq | 250 |
| Hugh McKay, Esq | 1000 | John Kerry, Esq | 250 |
| Hector McKenzie, Esq | 1000 | A. Baumgarten, Esq | 250 |
| Thomas Workman, Esq | 1000 | R. W. Elmenhorst, Esq | 250 |
| Hugh McLennan, Esq | 1000 | W. F. Lewis, Esq | 250 |
| O. S. Wood, Esq | 1000 | Geo. Armstrong, Esq | 250 |
| James Burnett, Esq | 500 | J. M. Douglas, Esq | 250 |
| Andrew Robertson, Esq | 500 | Messrs. H. Lyman, Sons & Co | 250 |
| Robt. McKay, Esq | 500 | William Osler, M.D | 250 |
| John Hope, Esq | 500 | F. J. Shepherd, M.D | 250 |
| Alex. Urquhart, Esq | 500 | Benj. Dawson, Esq | 200 |
| E. K. & G. A. Greene, Esqrs | 500 | R. Wolff, Esq | 150 |
| R. A. Smith, Esq | 500 | James Stuart, M.D | 150 |
| George Hague, Esq | 500 | A. T. Paterson, Esq | 100 |
| J. K. Ward, Esq | 500 | H. W. Thornton, M.D. (New Richmond, Q.) | 100 |
| Warden King, Esq | 500 | | |
| John Sterling, Esq | 500 | | |

MCGILL UNIVERSITY LIBRARY

| | | | |
|---|---|---|---|
| M. E. David, Esq. | 100 | J. J. Farley, M.D. (Belleville) | 25 |
| C. B Hanvey, M.D. (Yale, B.C). | 100 | Henry R. Gray, Esq. | 25 |
| D. Cluness, M D.(Nanaimo,B.C.) | 100 | J. E. Brouse, M.D. (Prescott) | 20 |
| W. Kinlock, Esq | 100 | R. F. Rinfret (Quebec) | 20 |
| Hua & Richardson | 100 | Robt. Howard, M.D. (St. Johns) | 20 |
| Mrs. Cuthbert (New Richmond, Q.) | 100 | Drs. J. & D. J. McIntosh (Vankleek Hill) | 20 |
| J. M. Drake, M.D | 100 | J. H. McBean, M.D. | 15 |
| Hugh Paton, Esq | 100 | J. C. Rattray, M.D.(Cobden,O.) | 10 |
| R. T. Godfrey. M.D. | 100 | E. H. Howard, M.D. (Lachine) | 10 |
| T. A. Roger, M.D | 100 | J. W. Oliver, M. D. (Clifton, O.) | 10 |
| W. A. Dyer, Esq. | 100 | D. A. McDougall, M.D. (Ottawa, O.) | 10 |
| Geo. Wood, M.D. (Faribault, Minn.) | 100 | A. Pousette, M.D. (Sarnia, O.) | 10 |
| A. A. Browne, M.D. | 100 | A. Ruttan, M.D. (Napanee, O.) | 10 |
| George Wilkins, M.D. | 100 | James Gunn, M.D.(Durham, O.) | 10 |
| R. L. MacDonnell, M.D | 100 | J. McDiarmid, M.D. (Hensall, O.) | 5 |
| Joseph Workman, M.D. (Toronto) | 50 | W. J. Derby, M.D.(Rockland,O.) | 5 |
| Hon. Sir A. T. Galt | 50 | J. Gillies, M.D. (Teeswater, O.). | 5 |
| Henry Lunam, B.A.,M.D.(Campbelton, N.B) | 50 | J. B. Benson, M.D. (Chatham, N.B.) | 5 |
| R. J. B. Howard, M.D. | 25 | L. A. Fortier, M.D. (St. David, Q.) | 5 |
| T. J. Alloway, M.D | 25 | J. A. McArthur, M.D. (Fort Elgin, O.) | 5 |
| Louis T. Marceau, M.D. (Napierville, Q.) | 25 | John Campbell, M.D. (Seaforth, O.) | 5 |
| Griffith Evans, M.D. (Vet. Dept. Army) | 25 | | |

## 3. MEDALS AND SCHOLARSHIPS.

In 1865 the "Holmes Gold Medal" was founded by the Medical Faculty as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who should undergo a special examination in all the branches, whether Primary or Final.

In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.

THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value $100. (Terminated in 1883.)

## 4. LIBRARY, MUSEUM AND APPARATUS.

*For the fittings of the Library and Museum of the Faculty of Medicine*, 1872.

| | | | |
|---|---|---|---|
| G. W. Campbell, A. M., M.D | $1200 | Robert Craik, M.D | $200 |
| W. E. Scott, M.D | 200 | Geo. E. Fenwick, M.D. | 200 |
| Wm. Wright, M.D | 200 | Joseph M. Drake, M.D | 200 |
| Robert P. Howard, M.D | 200 | George Ross, M.A., M.D | 50 |
| Duncan C. MacCallum, M.D | 200 | | |
| The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine | Donation to Apparatus, Museum, Library, etc., of the Medical Faculty, 1887, $1,182; 1888, $1,023. | | 2205 |

*For Physiological Laboratory of Medical Faculty*, 1879.

| | | | |
|---|---|---|---|
| Dr. Campbell | $100 | Dr. Ross | $50 |
| Dr. Howard | 100 | Dr. Roddick | 50 |
| Dr. Craik | 100 | Dr. Buller | 50 |
| Dr. MacCallum | 100 | Dr. Gardner | 50 |
| Dr. Drake | 100 | Dr. Osler | 50 |
| Dr. Godfrey | 100 | | |
| Dr. McEachran, F.R.C.V.S | 100 | | $ 950 |

*Cameron Obstetrical Collections.*

Dr. J. C. Cameron..... $10 000

## IV. *Endowments and Subscriptions of the Faculty of Law.*

### 1. ENDOWED CHAIRS.

THE GALE CHAIR, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale) of Montreal, in memory of her father, the late Honorable Mr. Justice Gale,—$25,000; part received, May, 1892.

THE WILLIAM C. MCDONALD Law Faculty Endowment, founded by William C. McDonald, Esq. (1890)—$150,000.

### 2. MEDAL.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

## V. *Subscriptions and Donations for Special objects.*

### 1. FOR APPARATUS.

| | |
|---|---|
| William Molson, Esq.. Philosophical Apparatus, 1867..... | $ 500 |
| John H. R. Molson, Esq., for the same..... | 500 |
| Peter Redpath, Esq., for the same..... | 500 |
| George Moffatt, Esq., for the same..... | 250 |
| Andrew Robertson, Esq., for the same..... | 100 |
| John Frothingham, Esq., for the same..... | 100 |
| David Torrance, Esq., for the same..... | 100 |
| A Telescope and Astronomical Instruments, the gift of Charles T. Blackman, Esq, of Montreal, and called after his name. | |
| Thos. J. Barron, B.A., for Philosophical Apparatus..... | 50 |
| J. H. R. Molson, Esq., Dynamo, Gas Engine and Fixtures..... | 1792 |
| A Lady, for the purchase of Mining Models..... | 1000 |
| Thos. McDougall, Esq., for the same..... | 25 |
| J. Livesey, Esq., through Dr. Harrington, for the same..... | 50 |
| Geo. Stephen, Esq., for the same. | 50 |
| Charles Gibb, B.A., donation for Apparatus in Applied Science | $50 |
| The Local Committee for the reception (1881) of American Society of Civil Engineers { For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Sc. } | 475 |
| Capt. Adams, Chemical Apparatus..... | 10 |
| J. H. Burland, B.A. Sc., Chemical Apparatus..... | 25 |
| Mrs. Redpath, Storage battery.. | 400 |
| W. C. McDonald, Esq., fittings of upper Chemical Laboratory .... ..... | 2075 |
| The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884..... | 1500 |
| A. J. Lawson, a Dynamo. | |
| Benjamin Dawson, 3 Microscopes. | |

### 2. FOR LIBRARY, MUSEUM AND LABORATORIES.

| | |
|---|---|
| John Thorburn, for purchase of Books..... | $ 90 |
| Andrew Drummond, do for Applied Science..... | 25 |
| T. J. Claxton, Esq., for purchase of Specimens for Museum..... | 250 |
| A Lady for Museum Expenses, from 1882 to 1891..... | 6000 |
| A friend for the purchase of specimens for the Museum..... | 1900 |
| Wm. Molson, Esq., for Library Fund..... | 4000 |

MCGILL UNIVERSITY LIBRARY

| | |
|---|---|
| Wm. Molson, Esq., for Museum Fund | 2000 |
| Hon. F. W. Torrance, for Mental and Moral Philosophy Book Fund | 1000 |
| Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund | 1000 |
| A Friend, by the Hon. F. W. Torrance | 400 |
| Peter Redpath, Esq., for Museum Expenses, $1000 per annum from 1882 to 1891 | 10000 |
| Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells | 233 |
| Peter Redpath, Esq., for Improvements to Museum | 1000 |
| The Graduates in Arts and Applied Science of 1885 for purchase of Books | 31 |
| Do of 1886 | 28 |
| The late R. A. Ramsay, Esq., Bequest for purchase of books | 1000 |
| John H. R. Molson for purchase of book on "Butterflies of Eastern U.S and Canada" | $50 |
| Andrew Drummond, Esq. to Library Fund of Faculty of Applied Science | 25 |
| Sir Donald A. Smith, for purchase of books from the R. W. Boodle Library | 200 |
| Ottawa Valley Graduates Society for binding books in the University Library | 25 |
| Hon. Sir Donald A. Smith for mounting skin and skeleton of Musk Ox | 150 |
| Hugh S. McLennan, Library Emdowment a gift from Estate late Hugh S. McLennan, to the Library of McGill College, the income to be applied to binding | 250 |
| Peter Redpath, Esq., in aid of the new catalogue of the Library, (1892) | 500 |

## 3. FOR A BUILDING FOR THE CARPENTER COLLECTION OF SHELLS

1868.

| | | | |
|---|---|---|---|
| Peter Redpath, Esq | $500 | Wm. Dow, Esq | 100 |
| William Molson, Esq | 500 | Thos. Rimmer, Esq | 100 |
| Harrison Stephen, Esq | 100 | Andrew Robertson, Esq | 100 |
| Robert J. Reekie, Esq | 100 | Mrs. Redpath | 100 |
| John H. R. Molson, Esq | 100 | Benaiah Gibb, Esq | 50 |
| Sir Wm. E. Logan, Esq., F.R.S. | 100 | Honorable John Rose | 50 |
| John Molson, Esq | 100 | | |
| Thos Workman, Esq., M.P. | 100 | | $2,200 |
| Geo. H. Frothingham, Esq | $100 | | |

## 4. FOR THE ERECTION OF THE LODGE AND GATES.

| | | | |
|---|---|---|---|
| William Molson, Esq | $100 | John Frothingham, Esq | $100 |
| John H. R. Molson, Esq | 100 | James A. Mathewson, Esq | 100 |
| William Workman, Esq | 100 | Peter Redpath, Esq | 100 |
| Joseph Tiffin, jr., Esq | 100 | G. H. Frothingham, Esq | 100 |
| Thos. J. Claxton, Esq | 100 | G. D. Ferrier, Esq | 100 |
| James Linton, Esq | 100 | Geo. W. Warner, Esq | 100 |
| William McDougall, Esq | 100 | John Smith, Esq | 100 |
| Charles J. Brydges, Esq | 100 | Charles Alexander, Esq | 100 |
| George A. Drummond, Esq | 100 | J. Evans, Esq | 100 |
| Thomas Rimmer, Esq | 100 | Henry Lyman, Esq | 100 |
| William Dow, Esq | 100 | | |

## 5. FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84.

| | | | |
|---|---|---|---|
| Principal Dawson | $500 | Per annum, 5 years, being | $2500 |
| Hon. Sir D. A. Smith | 250 | " " " | 1250 |
| J. H. R. Molson, Esq | 100 | " " " | 500 |
| Mrs. J. H. R. Molson | 100 | " " " | 500 |
| G. Hague, Esq | 100 | " " " | 500 |
| Mrs. Redpath | 100 | " " " | 500 |

| | | | | | |
|---|---|---|---|---|---|
| Hugh McKay, Esq | 100 | Per annum, 5 years, being | | | 500 |
| Robert Moat, Esq | 100 | " | " | " | 500 |
| W. C. McDonald, Esq | 100 | " | " | " | 500 |
| Charles Gibb, Esq | 50 | " | " | " | 250 |
| Miss Orkney | 50 | " | " | " | 250 |
| Robert McKay, Esq | 50 | " | " | " | 250 |
| Mrs. Molson | 50 | " | " | " | 250 |
| Mrs. John Molson | 50 | " | " | " | 250 |
| John Stirling, Esq | 50 | " | " | " | 250 |
| Warden King, Esq | 50 | " | " | " | 250 |
| Miss Hall | 50 | " | " | " | 250 |
| Robert Angus, Esq | 50 | " | " | " | 250 |
| D. A. P. Watt, Esq | 50 | " | " | " | 250 |
| Hugh McLennan, Esq | 25 | " | " | " | 125 |
| Sir Joseph Hickson | 10 | " | " | " | 50 |
| Mrs. Philips | 10 | | | | 10 |

6. SUBSCRIPTIONS TO BOTANIC GARDEN, 1890-91.

| | | | |
|---|---|---|---|
| Hugh McLennan | $100 | Jonathan Brown | $100 |
| Gilman Cheney | 100 | Jonathan Hodgson | 100 |
| James Johnston | 100 | Robt. Mackay | 100 |
| James Slessor | 100 | H. Shorey | 50 |
| A friend | 100 | J. S. Shearer | 50 |
| Hugh Graham | 100 | Geo. Sumner | 25 |
| A. F. Gault | 100 | A. Ramsay & Co | 25 |
| W. T. Costigan | 100 | Garth & Co | 25 |

7. IN AID OF THE CHAIR OF HEBREW, 1889.

| | | | | | |
|---|---|---|---|---|---|
| Warden King, Esq | $50 | Per annum, 3 years, being | | | $150 |
| Principal Sir William Dawson | 50 | " | " | " | 150 |
| Hon. Hugh Mackay | 50 | " | " | " | 150 |
| A. F. Gault, Esq | 25 | " | " | " | 75 |
| Geo. Hague, Esq | 25 | " | " | " | 75 |
| T. A. Dawes, Esq | 25 | " | " | " | 75 |
| S. Carsley, Esq | 25 | " | " | " | 75 |

1892.

S. Davis, Esq ..... $20

8. FOR MUSICAL INSTRUCTION IN THE DONALDA SPECIAL COURSE FOR WOMEN.

Hon. Sir Donald A. Smith, session, 1889-90 ..... $200
" " " " 1890-91 ..... 200

9. FOUNDER'S TOMB.

R. A. Ramsay, M A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill ..... $150

9. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment, to furnish annually a Scholarship or Prize in a "College for Women" affiliated to the University, or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present $1,100.

10. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 2676 Volumes.
2. The Robson Collection of works in Archæology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volumes.

MCGILL UNIVERSITY LIBRARY

3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Sir. Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

### II. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium, presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells, presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society, presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
7. The Portrait of Peter Redpath, Esq., painted by Mr. Sidney Hodges of London, and presented by Citizens of Montreal.
8. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., and J. H. Burland, Esq.
9. R. Morton Middleton, Jr., London, Eng. Collection of Plants.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report of the Museum.)

## VI. *The Graduates' Fund.*

### 1. THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution:—

*Resolved*:—"That the members and graduates be invited to subscribe to a "fund for the endowment of the Libraries of the University; said fund to be in- "vested and the proceeds applied under the supervision of the Council of the "Society in annual additions to the Libraries; an equitable division of said pro- "ceeds to be made by the Council between the University Library and those of "The Professional Faculties."

In terms thereof the following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, or in instalments, as subscribers have elected.

*Alphabetically arranged.*

| | | | |
|---|---|---|---|
| Baynes, O'Hara, B.C.L. | $ 50 | Hall, Rev. W., M.A. | $ 10 |
| Bethune, M.B., M.A., B.C.L. | 50 | Harrington, B. J., B.A., Ph.D. | 50 |
| Blackader, Alex. D., B.A., M.D. | 50 | Holton, Edward, B.C.L. | 100 |
| Burland, J. H., B.A.Sc. | 120 | Hutchinson, M., B.C.L. | 5 |
| Browne, A. A., B.A., M.D. | 50 | Keller, F. J., B.C.L. | 25 |
| Cline, J. D., B.A., M.D. | 25 | Kelley, F. W., B.A., Ph.D. | 100 |
| Cushing, Lemuel, LL.D., B.C.L. | 25 | Laing, Rev. R., M.A. | 100 |
| Dougall, J. R., M.A. | 50 | Lyman, F. S., B.A., B.C.L. | 50 |
| Ells, R. W., LL.D. | 50 | Lyman, H. H., M.A. | 100 |
| Empson, Rev. J., M.A. | 25 | Mackenzie, Fred., B.C.L. | 100 |
| Gardner, Wm., M.D. | 100 | Maclaren, J. J., M.A., D.C.L. | 100 |
| Gibb, Charles, B.A. | 50 | Macleod, C. H., Ma.E. | 50 |
| Gilman, F. E., LL.D., B.C.L. | 100 | Macmaster, D., B.C.L. | 100 |
| Gould C. H., B.A. | 100 | Marler, Wm. deM., B.A., B.C.L. | 125 |
| Hall, J. S., jun., B.A., B.C.L. | 50 | McCord, D. R., M.A., B.C.L. | 100 |

| | |
|---|---|
| McGregor, James, LL.D | $ 80 |
| Molson, Wm., M.D | 100 |
| Osler, Wm., M.D | 100 |
| Ramsay R. A., M.A., B.C.L | 100 |
| Rexford, Rev. E. I., B.A | 50 |
| Robertson, Alex., B.A | 100 |
| Robins, S. P., LL.D | 50 |
| Roddick, T. G., M.D | $100 |
| Ross, George M.A., M.D | 100 |
| Shepherd, F. J., M.D | 100 |
| Torrance, J. F., B.A., B.A. Sc | 100 |
| Trenholme, N. W., M.A., D.C.L | 100 |
| Total to date | $3,090 |

## 2. THE DAWSON FELLOWSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a Fund towards the Endowment of the Fellowship, under the above name.

Details of the scheme can be had from the Treasurer, C. H. McLeod, Esq. Ma.E. The following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, in instalments, without interest or with interest till payment of capital, as subscribers have elected.

*Alphabetically arranged.*

| | |
|---|---|
| Abbott, H., B.C.L | $ 60 |
| Archibald, H., B.A.Sc | 20 |
| Bethune, M. B., M.A., B.C.L | 50 |
| Carter, C. B., B.C.L | 100 |
| Cruickshank, W. G., B.C.L | 100 |
| Dawson, W. B., M.A., Ma.E | 50 |
| Dougall, J. R., M.A | 250 |
| Gibt, C., B.A | 100 |
| Hall, Rev. Wm., M.A | 100 |
| Hall, J. S., jun., B.A., B.C.L | 100 |
| Harrington, B. J., B.A., Ph.D | 50 |
| Hutchinson, M., B.C.L | 400 |
| Kirby, J., LL.D., D.C.L | 50 |
| Krans, Rev. E. H., M.A., LL.D | 100 |
| Leet, S. P., B.C.L | 100 |
| Lighthall, W. D., M.A., B.C.L | 100 |
| Lyman, H. H., M.A | $ 100 |
| Lyman, A. C., M.A., B.C.L | 50 |
| McCormick, D., B.C.L | 100 |
| McGibbon, R. D., B.A., B.C.L | 100 |
| McGoun, A., jun., M.A., B.C.L | 50 |
| McLennan, J. S., B.A | 100 |
| Ramsay, R. A., M.A., B.C.L | 50 |
| Spencer, J. W., B.A.Sc., Ph.D | 50 |
| Stephen, C. H., B.C.L | 100 |
| Stewart, D. A., B.A.Sc | 20 |
| Stewart, J., M.D | 60 |
| Tait, M. M., B.C.L | 100 |
| Taylor, A. D., B.A., B.C.L | 100 |
| Trenholme, N. W., M.A., D.C.L | 400 |
| Total to date | $3,010 |

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# APPENDIX.

## ELOCUTION.

Advanced Classes in Elocution will be opened in the Faculty of Arts in the Session of 1892-3.

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## ONTARIO MATRICULATION EXAMINATIONS.

Doubts having been expressed as to the meaning of the clause referring to these, on page 19 paragraph 3, it may be explained that the examinations there referred to are accepted for matriculation in Arts when the subjects taken are the same as or equivalent to those required in McGill.

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## FREE TUITIONS IN ARTS.

Changes in regard to these are under consideration, and it is hoped that some definite anouncement may be made in relation to them by advertisement before the beginning of the Session of 1892-3. A lady of Montreal has kindly presented the sum of $120 toward this object.

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Mr. Leigh R. Grigor, B. A., late Modern Languages Master in the Montreal High School, and at present pursuing advanced studies in Germany, has been appointed Lecturer in German Language and Literature.

---

Mr. Charles H. Gould, B. A., has been appointed University Librarian in connection with the New Peter Redpath Library, and on the endowment of the same liberally provided by Mr. Redpath.

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ANNUAL CALENDAR

OF

# McGILL COLLEGE

AND

# UNIVERSITY

MONTREAL

FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL,
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER
IN 1821, AND RE-ORGANISED BY AN
AMENDED CHARTER IN 1852.

## SESSION 1893-1894

**Montreal:**

PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.

1893.

The *List of Graduates* corrected to June, 1893, and the *Examination Papers* (price 75 cents) of the Session 1892-93, are published separately, and may be obtained on application to the Secretary, or through booksellers.

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(The Board of Governors has, under the Royal Charter, the power to frame Statutes, to make Appointments, and to administer the Finances of the University.)

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(The Principal has, under the Statutes, the general superintendence of all affairs of the College and University, under such regulations as may be in force.)

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(The Governors, Principal and Fellows constitute, under the Charter, the Corporation of the University, which has the power, under the Statutes, to frame regulations touching the Courses of Study, Matriculation, Graduation and other Educational matters, and to grant Degrees.)

---

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|---|---|---|---|
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| H. M. TORY, B.A. | " " | Mathematics. | McGill College. |
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# General Statement.

## SESSION OF 1893-94.

The Sixty-first Session of the University, being the Fortieth under the amended Charter, will commence in the autumn of 1893.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors, with the approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties in McGill College and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational; and while all possible attention will be given to the character and conduct of Students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. McGILL COLLEGE.

THE FACULTY OF ARTS.—The complete course of study extends over four Sessions of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all Students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature and Modern Languages. Certain exemptions are also allowed to professional Students. The course of study leads to the Degrees of B.A., M.A. and LL.D.

The Degree of B.A. from this University admits the holder to the study of learned professions without preliminary examination, in the Provinces of Quebec and Ontario, and in Great Britain and Ireland, etc.

THE DONALDA SPECIAL COURSE IN ARTS provides for the education of women, in separate classes, with course of study, exemptions, degrees and honours similar to those for men.

THE FACULTY OF APPLIED SCIENCE provides a thorough professional training, extending over three or four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, Electrical Engineering, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

THE FACULTY OF MEDICINE.—The complete course of study in Medicine extends over four Sessions of six months each, and one Summer Session of three months in the third Academic Year, and leads to the Degree of M.D., C.M.

THE FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.—The complete course extends over three Sessions of six months each, and leads to the Degree of D.V.S.

THE FACULTY OF LAW.—The complete course of law extends over three Sessions of six months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms with the Students of McGill College.

MORRIN COLLEGE, *Quebec.*—Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from Rev. A. T. Love, B.A., Principal.]

ST. FRANCIS COLLEGE, *Richmond, P.Q.*—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from Rev. C. A. TANNER, Principal.]

THE STANSTEAD WESLEYAN COLLEGE, *Stanstead, P.Q.*—Is affiliated in so far as regards the Intermediate Examination in Arts. [Detailed information may be obtained of Rev. C. A. FLANDERS, B.A., Principal.]

## III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their Students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on.

THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, *Montreal.* Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, REV. GEORGE DOUGLASS, LL.D., 228 University St.

[Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.]

## IV. McGILL NORMAL SCHOOL.

THE McGILL NORMAL SCHOOL provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

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*Schools which have prepared successful candidates for* A.A. *or for matriculation (June,* 1892).

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# ACADEMICAL YEAR 1893-94.

## SEPTEMBER, 1893.

| | |
|---|---|
| 1 Friday | Normal School opens. |
| 2 Saturday | Matriculation in Law. |
| 3 SUNDAY | |
| 4 Monday | Lectures in Law begin. Meeting Faculty of Law. |
| 5 Tuesday | |
| 6 Wednesday | Meeting of Normal School Committee. |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| 10 SUNDAY | |
| 11 Monday | Meeting of Faculty of Law. |
| 12 Tuesday | |
| 13 Wednesday | Meeting of Faculty of Arts. |
| 14 Thursday | Mat. and Sup. Exn's in Classics Exhib. and Scholarship Exam. |
| 15 Friday | Mat. and Sup. Ex'ns in Math's Exhib. & Scholarship Exam. |
| 16 Saturday | |
| 17 SUNDAY | |
| 18 Monday | Mat. & Sup. Ex'ns in English, Logic, Ment. and Mor. Phil. Exhib. and Sch. Exm'ns. |
| 19 Tuesday | Mat. & Sup. Ex'ns in Modern Lang's and Nat. Sc.; Exhib. and Sch. Exam'ns. |
| 20 Wednesday | Exhib. and Sch. Ex'ns. Lect's in Arts and App. Sc. begin. |
| 21 Thursday | Meeting of Fac. of Arts at 11.15 a.m. |
| 22 Friday | Summer Essays in Applied Sc. |
| 23 Saturday | Matric. Exam. in Medicine. |
| 24 SUNDAY | Meeting of Governors. Register Medical Faculty opens. |
| 25 Monday | Meeting of Fac. of App. Sc. |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | Meeting of Faculty of Arts. |
| 30 Saturday | |

## OCTOBER, 1893.

| | |
|---|---|
| 1 SUNDAY | |
| 2 Monday | Session of Medical and Veterinary Faculties begins. |
| 3 Tuesday | Meeting of Faculty of Law. |
| 4 Wednesday | Meeting of Normal School Committee. |
| 5 Thursday | Founder's Birthday. |
| 6 Friday | |
| 7 Saturday | The Wm. Molson Hall opened, 1862. |
| 8 SUNDAY | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | Meeting of Faculty of Arts. |
| 15 SUNDAY | Univ. Athletic Sports. |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | Meeting of Governors. |
| 21 Saturday | |
| 22 SUNDAY | |
| 23 Monday | Meeting of Museum Com. |
| 24 Tuesday | Meeting of Library Com. |
| 25 Wednesday | Regular Meeting of Corporation |
| 26 Thursday | Reps. Schol. & Exh. Accounts audited. |
| 27 Friday | Meeting of Faculty of Arts. |
| 28 Saturday | |
| 29 SUNDAY | |
| 30 Monday | |
| 31 Tuesday | Meeting of Fac. App. Science. |

## NOVEMBER, 1893.

| | |
|---|---|
| 1 Wednesday | Meeting Normal School Com. |
| 2 Thursday | |
| 3 Friday | |
| 4 Saturday | |
| 5 SUNDAY | |
| 6 Monday | Meeting of Faculty of Law |
| 7 Tuesday | |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | Meeting of Faculty of Arts. |
| 11 Saturday | |
| 12 SUNDAY | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | |
| 16 Thursday | |
| 17 Friday | Meeting of Faculty of Arts. |
| 18 Saturday | |
| 19 SUNDAY | |
| 20 Monday | |
| 21 Tuesday | |
| 22 Wednesday | |
| 23 Thursday | |
| 24 Friday | Meeting of Governors. |
| 25 Saturday | Medical Matriculation, P.Q. Exams. in Law. |
| 26 SUNDAY | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | |
| 30 Thursday | |

## DECEMBER, 1893

| | |
|---|---|
| 1 Friday | |
| 2 Saturday | |
| 3 SUNDAY | |
| 4 Monday | Meeting of Faculty of Law. |
| 5 Tuesday | Meeting of Faculty of App. Sc. |
| 6 Wednesday | Meeting of Nor. Sch. Comm. |
| 7 Thursday | |
| 8 Friday | Meeting of Fac. of Arts. |
| 9 Saturday | Examinations in Law. |
| 10 SUNDAY | |
| 11 Monday | |
| 12 Tuesday | Lect. in Law, Arts, Ap. Sc. end |
| 13 Wednesday | |
| 14 Thursday | Christmas Ex. in Law, Arts and Applied Science begin. |
| 15 Friday | |
| 16 Saturday | |
| 17 SUNDAY | |
| 18 Monday | |
| 19 Tuesday | |
| 20 Wednesday | |
| 21 Thursday | |
| 22 Friday | Meeting of Governors. |
| 23 Saturday | Christmas Vacation begins. |
| 24 SUNDAY | |
| 25 Monday | Christmas-Day. |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | |
| 30 Saturday | |
| 31 SUNDAY | |



NOTE.—Meetings of the Faculty of Arts are held at 4.30 P.M. unless otherwise specified.

## JANUARY, 1894.

| | |
|---|---|
| 1 Monday | |
| 2 Tuesday | |
| 3 Wednesday | Christmas Vacation ends. Meeting of Nor. Sc. Comm. |
| 4 Thursday | Lectures in Arts, Law, Med. & App. Science recommence. Meeting of Fac. of Arts. |
| 5 Friday | |
| 6 Saturday | |
| 7 SUNDAY | |
| 8 Monday | Meeting Faculty of Law. |
| 9 Tuesday | Meeting of Fac. of App. Sci. |
| 10 Wednesday | |
| 11 Thursday | |
| 12 Friday | |
| 13 Saturday | |
| 14 SUNDAY | |
| 15 Monday | |
| 16 Tuesday | |
| 17 Wednesday | |
| 18 Thursday | |
| 19 Friday | |
| 20 Saturday | |
| 21 SUNDAY | |
| 22 Monday | Meeting of Museum Com. |
| 23 Tuesday | Meeting of Library Com. |
| 24 Wednesday | Regular Meet'g of Corporation. Examiners appointed. Annual Report to Visitor. |
| 25 Thursday | |
| 26 Friday | Meeting of Governors. |
| 27 Saturday | |
| 28 SUNDAY | |
| 29 Monday | |
| 30 Tuesday | Theses for M. A. & LL.D. to be sent in |
| 31 Wednesday | Meeting of Nor. Sch. Comm. |

## FEBRUARY, 1894.

| | |
|---|---|
| 1 Thursday | |
| 2 Friday | Meeting of Faculty of Arts. |
| 3 Saturday | |
| 4 SUNDAY | |
| 5 Monday | Meeting of Faculty of Law. |
| 6 Tuesday | Meeting of Fac. App. Science. |
| 7 Wednesday | No lectures. |
| 8 Thursday | |
| 9 Friday | |
| 10 Saturday | Exams. in Law. |
| 11 SUNDAY | |
| 12 Monday | |
| 13 Tuesday | |
| 14 Wednesday | |
| 15 Thursday | |
| 16 Friday | Meeting of Faculty of Arts. Supplemental Exam's in Arts and Applied Science. |
| 17 Saturday | |
| 18 SUNDAY | |
| 19 Monday | |
| 20 Tuesday | |
| 21 Wednesday | |
| 22 Thursday | |
| 23 Friday | Meeting of Governors. |
| 24 Saturday | Exams. in Law. |
| 25 SUNDAY | |
| 26 Monday | |
| 27 Tuesday | |
| 28 Wednesday | |

## MARCH, 1894.

| | |
|---|---|
| 1 Thursday | Meeting of Nor. Sc. Com. Theses for B.C.L. sent in. |
| 2 Friday | Meeting of Fac. of Arts. |
| 3 Saturday | |
| 4 SUNDAY | |
| 5 Monday | Meeting of Faculty of Law. |
| 6 Tuesday | Meeting of Fac. of Ap. Science. |
| 7 Wednesday | |
| 8 Thursday | |
| 9 Friday | |
| 10 Saturday | Examinations in Law. |
| 11 SUNDAY | |
| 12 Monday | |
| 13 Tuesday | |
| 14 Wednesday | |
| 15 Thursday | |
| 16 Friday | Meeting of Fac. of Arts. Reports of Attendance on Lects Lectures in Medicine end. |
| 17 Saturday | Exams. in Law. |
| 18 SUNDAY | |
| 19 Monday | Exam's in Med. begin. |
| 20 Tuesday | Meeting of Fac. of Ap. Science |
| 21 Wednesday | |
| 22 Thursday | Meeting of Governors. |
| 23 Friday | Good Friday. Easter Vacation begins. |
| 24 Saturday | Medical Matriculation, P.Q. |
| 25 SUNDAY | Easter. |
| 26 Monday | |
| 27 Tuesday | Easter vacation ends. |
| 28 Wednesday | |
| 29 Thursday | |
| 30 Friday | Conv for Degrees in Veterinary Science. |
| 31 Saturday | Lects. in Arts and Ap. Sc. end. |

## APRIL, 1894.

| | |
|---|---|
| 1 SUNDAY | |
| 2 Monday | Meeting Fac. of Law. |
| 3 Tuesday | Exams. in Arts begin. Conv. for Degrees in Medicine. |
| 4 Wednesday | Meeting of Nor. Sc. Committee |
| 5 Thursday | |
| 6 Friday | Meeting of Fac. of Arts. |
| 7 Saturday | |
| 8 SUNDAY | |
| 9 Monday | Meeting of Faculty of Law |
| 10 Tuesday | Summer Session Med. Fac. |
| 11 Wednesday | begins. |
| 12 Thursday | Lectures in Law end. |
| 13 Friday | |
| 14 Saturday | |
| 15 SUNDAY | |
| 16 Monday | Exams. in Law begin. |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | Meeting of Examiners, and of Fac. Arts and Law. |
| 20 Friday | Meeting of Governors. |
| 21 Saturday | |
| 22 SUNDAY | |
| 23 Monday | Meetings of Museum Committee and Faculty of Law. |
| 24 Tuesday | Meeting of Library Committee. Declaration of result of Exam's. |
| 25 Wednesday | Regular meeting of Corporation. |
| 26 Thursday | |
| 27 Friday | Convocation for Degrees in Law |
| 28 Saturday | Convocation for Degrees in Applied Science. |
| 29 SUNDAY | |
| 30 Monday | Convocation for Degrees in Arts. |



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## MAY, 1894.

| | |
|---|---|
| 1 Tuesday | Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin. |
| 2 Wednesday | Meeting Nor. Sch. Committee. |
| 3 Thursday | |
| 4 Friday | |
| 5 Saturday | |
| **6 SUNDAY** | |
| 7 Monday | |
| 8 Tuesday | |
| 9 Wednesday | |
| 10 Thursday | |
| 11 Friday | |
| 12 Saturday | |
| **13 SUNDAY** | Whit-Sunday. |
| 14 Monday | |
| 15 Tuesday | |
| 16 Wednesday | |
| 17 Thursday | |
| 18 Friday | |
| 19 Saturday | |
| **20 SUNDAY** | Trinity Sunday. |
| 21 Monday | |
| 22 Tuesday | |
| 23 Wednesday | |
| 24 Thursday | Queen's Birthday. |
| 25 Friday | Meeting of Governors. |
| 26 Saturday | |
| **27 SUNDAY** | |
| 28 Monday | |
| 29 Tuesday | |
| 30 Wednesday | Normal Sch. closes for Summer Vacation. |
| 31 Thursday | |

## JUNE, 1894.

| | |
|---|---|
| 1 Friday | Examinations for Matric. and Associate in Arts begin. |
| 2 Saturday | |
| **3 SUNDAY** | |
| 4 Monday | Meeting of Faculty of Law. |
| 5 Tuesday | |
| 6 Wednesday | Normal School Committee. |
| 7 Thursday | |
| 8 Friday | |
| 9 Saturday | |
| **10 SUNDAY** | |
| 11 Monday | |
| 12 Tuesday | |
| 13 Wednesday | |
| 14 Thursday | |
| 15 Friday | Declaration of results of School Examinations. |
| 16 Saturday | |
| **17 SUNDAY** | |
| 18 Monday | Meeting of Museum Committee. |
| 19 Tuesday | Meeting of Library Committee. |
| 20 Wednesday | Regular Meeting of Corporat'n. Report of Normal School. |
| 21 Thursday | |
| 22 Friday | Meeting of Governors. |
| 23 Saturday | |
| **24 SUNDAY** | |
| 25 Monday | |
| 26 Tuesday | |
| 27 Wednesday | |
| 28 Thursday | |
| 29 Friday | Summr. Sessn. Med. Fac. ends. |
| 30 Saturday | |

## JULY, 1894.

| | |
|---|---|
| **1 SUNDAY** | |
| 2 Monday | |
| 3 Tuesday | |
| 4 Wednesday | |
| 5 Thursday | |
| 6 Friday | |
| 7 Saturday | |
| **8 SUNDAY** | |
| 9 Monday | |
| 10 Tuesday | |
| 11 Wednesday | |
| 12 Thursday | |
| 13 Friday | |
| 14 Saturday | |
| **15 SUNDAY** | |
| 16 Monday | |
| 17 Tuesday | |
| 18 Wednesday | |
| 19 Thursday | |
| 20 Friday | |
| 21 Saturday | |
| **22 SUNDAY** | |
| 23 Monday | |
| 24 Tuesday | |
| 25 Wednesday | |
| 26 Thursday | |
| 27 Friday | |
| 28 Saturday | |
| **29 SUNDAY** | |
| 30 Monday | |
| 31 Tuesday | |

## AUGUST, 1894.

| | |
|---|---|
| 1 Wednesday | |
| 2 Thursday | |
| 3 Friday | |
| 4 Saturday | |
| **5 SUNDAY** | |
| 6 Monday | |
| 7 Tuesday | |
| 8 Wednesday | |
| 9 Thursday | |
| 10 Friday | |
| 11 Saturday | |
| **12 SUNDAY** | |
| 13 Monday | |
| 14 Tuesday | |
| 15 Wednesday | Peter Redpath Museum opened 1882. |
| 16 Thursday | |
| 17 Friday | |
| 18 Saturday | |
| **19 SUNDAY** | |
| 20 Monday | |
| 21 Tuesday | |
| 22 Wednesday | |
| 23 Thursday | |
| 24 Friday | |
| 25 Saturday | |
| **26 SUNDAY** | |
| 27 Monday | |
| 28 Tuesday | |
| 29 Wednesday | |
| 30 Thursday | |
| 31 Friday | |

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## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS, SEPTEMBER, 1893.*

| Day. | Date | First Year | Second Year. | Third Year. | Hour. |
|---|---|---|---|---|---|
| Thursday. | 14 | Greek. | Greek. | Greek. | 9 to 12 |
| " | 14 | Latin. | Latin. | Latin Prose Comp. | 2 to 5 |
| " | 14 | | | Mathematics. | 9 to 12 |
| Friday. | 15 | Mathematics. | Mathematics. | Latin. | 9 to 12 |
| " | 15 | | | Mathematics. | 9 to 12 |
| " | 15 | | | Botany. | 9 to 12 |
| " | 15 | Mathematics. | Mathematics. | Ancient History. | 2 to 5 |
| " | 15 | | | Botany. | 2 to 5 |
| Monday. | 18 | English. | English. | English. | 9 to 12 |
| " | 18 | | | Logic. | 9 to 12 |
| " | 18 | English. | | English. | 2 to 5 |
| " | 18 | | Chemistry. | Chemistry. | 2 to 5 |
| Tuesday. | 19 | | | Mathematics. | 9 to 12 |
| " | 19 | | | Botany. | 9 to 12 |
| " | 19 | | French. | French. | 9 to 12 |
| " | 19 | Grammar and Comp. (Classics.) | General Paper. (Classics.) | English Composition | 2 to 5 |
| Wednesday. | 20 | | Mathematics. | Mathematics. | 9 to 12 |
| | | | English. | | 2 to 5 |

*CHRISTMAS EXAMINATIONS, DECEMBER, 1893.*

| Day. | Date | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|---|
| Friday. | 15 | Latin. | Latin. | Mechanics. | Astronomy. |
| " | 15 | | M'matics, P.M. | | |
| Monday. | 18 | Greek. | Greek. | Greek. | Greek. |
| " | 18 | | | Zoology, P.M. | Latin, P.M. |
| Tuesday. | 19 | Mathematics. | Psychology. | Latin. | Moral Philosophy |
| " | 19 | French, P.M. | French, P.M. | Ment. Phil., P.M. | Geology, P.M. |
| Wednesday. | 20 | Chemistry. | | | |
| " | 20 | German, P.M. | German, P.M. | | |
| " | 20 | Hebrew, P.M. | Hebrew, P.M. | | |
| Thursday. | 21 | English. | | | |

## FACULTY OF ARTS.

### SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1894.

| Date. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| April. | A.M. P.M. | A.M. P.M. | A.M. P.M. | A.M. P.M. |
| 1 Sun. | ..... | ..... | ..... | ..... |
| 2 Mon. | Hebrew ..... | Hebrew ..... | Hebrew..... | Hebrew and B.A. Honours. |
| 3 Tues. | Greek..... | Greek..... | Mechanics..... | Ethics. Ethics. |
| 4 Wed. | Latin....Anc.History | Latin. Composition. | Latin..... | Latin. Latin |
| 5 Thurs. | ..... | ..... | ..... | ..... |
| 6 Fri. | English..... | English. English. | Ex. Phy- English. sics. | Ex. Phy- History. sics. |
| 7 Sat. | ..... | ..... | ..... | ..... |
| 8 Sun. | ..... | ..... | ..... | ..... |
| 9 Mon. | Geometry and Arithmetic. ... | Mathematics..... | Greek..... | Mechanics and B.A. Honours. |
| 10 Tues. | Trigonometry and Algebra..... | Mathematics... .... | Astronomy and .... Optics..... | Astr'y. and Optics. B.A. Honours. |
| 11 Wed. | ..... | ..... | ..... | ..... |
| 12 Thurs. | French and German. | French and German. | Metaphysics..... | Geology. Geology. |
| 13 Fri. | Chemistry..... | Logic..... | ..... ... Zoology | Greek. History. |
| 14 Sat. | ..... | ..... | ..... | ..... |
| 15 Sun. | ..... | ..... | ..... | ..... |
| 16 Mon. | ..... | Botany..... | French & German. | French and German B.A. Honours. |
| 17 Tues. | ..... | ..... | ..... | ..... |
| 18 Wed. | ..... | ..... | ..... | B.A. Honours. |
| 19 Thurs. | Meeting of | Examiners and Facul | ty. | |
| 20 Fri. | Honour Examinations | HonourExaminations | Honour Exam'tions | B.A. Honours. |
| 21 Sat. | Meeting of | Examiners and Facul | ty. | |
| 22 Sun. | ..... | ..... | ..... | ..... |
| 23 Mon. | Honour Examinations | Honour Examinations | Honour Exam'tions | B. A. Honours. |
| 24 Tues. | Meetingof | Examiners and Facul | ty. | |
| 25 Wed. | Meeting of | Examiners and Facul | ty. Regular Meet | ing of Corporation. |
| 26 Thurs. | Meeting of | Examiners and Facul | ty. Declaration | of results. |
| 27 Fri. | ..... | ..... | ..... | ..... |
| 28 Sat. | ..... | ..... | ..... | ..... |
| 29 Sun. | ..... | ..... | ..... | ..... |
| 30 Mon. | Convocation for Degr | ees in Arts. | | |

The Examinations begin at 9 A.M. and 2 P.M. when not specified otherwise.

## FACULTY OF APPLIED SCIENCE.

*EXAMINATIONS*—1893-94.

CHRISTMAS, 1893.

The days of the several Examinations will be announced by the Faculty during the Session.

SESSIONAL, 1894.

| Days. | First Year. | Second Year. | Third Year. | Fourth Year. |
|---|---|---|---|---|
| S. Mch. 31 | ..... | ..... | Theory of Structures | Theory of Structures. |
| Sun. Apr 1 | ..... | ..... | ..... | ..... |
| M. " 2 | Practical Chemistry. | { Chemistry. Surveying. | { Chemistry. Surveying. | Geodesy. |
| T. " 3 | Mathematics. | ..... | Theory of Structures | Theory of Structures |
| W. " 4 | ..... | Essay. | Essay. | Essay. |
| T. " 5 | ..... | Mechanism. | Mechanism. | { Dyn. of Machin'y. Th. of Structures. |
| F. " 6 | English. | Exp. Physics. | Exp. Physics. | Assaying. |
| S. " 7 | ..... | Practical Chemistry. | Practical Chemistry. | Theory of Structures |
| Sun. " 8 | ..... | ..... | ..... | ..... |
| M. " 9 | Mathematics. | Mathematics. | Theory of Structures (adv.) | Theory of Structures (adv.). |
| T. " 10 | Freehand Drawing. | ..... | Mineralogy (adv.). | { Kin. of Machin'y. Mineralogy (adv.) |
| W. " 11 | Desc. Geometry. | Desc. Geometry. | Descrp've Geometry | { Th. of Struct. (adv.) Mineralogy, (adv.) |
| T. " 12 | French & German. | French & German. | { Kinematics of Ma Geology. [chinery. | Hydraulics. |
| F. " 13 | Chemistry. | { Chemistry (a.m.) Zoology (p.m.). | Chemistry. | Hydraulics, (adv.). |
| S. " 14 | ..... | ..... | Mining. | Metallurgy. |
| Sun. " 15 | ..... | ..... | ..... | ..... |
| M. " 16 | ..... | Botany. | Dyn. of Machinery. | Dyn. of Machin'y. |
| T. " 17 | Mathematics. | Mathematics. | Mathematics. | Thermodynamics. |
| W. " 18 | | | | |
| T. " 19 | | | | |
| F. " 20 | | | | |
| S. " 21 | | | | |
| Sun. " 22 | ..... | ..... | ..... | ..... |
| M. " 23 | | | | |
| T. " 24 | | | | |
| W. " 25 | | | | |
| T. " 26 | | | | |
| F. " 27 | | | | |

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# Faculty of Arts.

THE PRINCIPAL (Ex-Officio).

Professors :—DAWSON,
JOHNSON,
CORNISH,
DAREY,
MURRAY,
HARRINGTON,
MOYSE,
PENHALLOW.
COUSSIRAT.
COX.

Associate Prof.:—EATON.

Lecturers :—CHANDLER.
LAFLEUR.
ADAMS.
GREGOR.

Dean of the Faculty :—ALEXANDER JOHNSON M.A., LL.D.

[CONTENTS.—*Matriculation*, &c., § I.; *Exhibitions*, &c., § II.; *Course of Study*, § III.; *Examinations, Degrees*, &c., § IV.; *Exemptions*, &c., § V.; *Medals*, &c., § VI.; *Licensed Boarding Houses*, § VII; *Attendance and Conduct*, § VIII.; *Library*, § IX.; *Peter Redpath Museum*, § X.; *Fees*, &c., XI.; *Courses of Lectures*, § XII.]

The next session of this Faculty will begin on September 14th, 1893, and will extend to April 30th, 1894.

## § I. MATRICULATION AND ADMISSION.

In this University those only who attend Lectures are denominated Students.

Students in the Faculty of Arts are classified as Undergraduates or Partial Students. The conditions of admission for each and for Students of other Universities are given below.

### 1 UNDERGRADUATES.

Undergraduates alone can proceed to the degree of B.A. Candidates for admission to the First Year, as Undergraduates, are required to pass the First Year Entrance Examination. The successful Candidates are arranged as First Class, Second Class, and

Passed. To the most deserving in the First Class, the First Year Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year as follows :—

(1) That held in the first week of June, concurrently with the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College ; or, if at a distance, by sending in to the Secretary of the University the names of Deputy Examiners for approval, with a list of candidates, on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 14th and following days, in McGill College alone.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures. Candidates who may have passed the examination are not " Matriculated " until they have paid all the prescribed fees for the session and complied with the other University regulations. (See " Directions " below).

### First Year Entrance Examination.

(*a*) *For Passing only.*

Examinations beginning on June 1st in McGill College and local centres ; on September 14th in McGill College only.

*Greek.*—Xenophon, Anabasis, Book I. ; Greek Grammar.

*Latin.*—Caesar, Bell. Gall., Book I. ; and Virgil, Aeneid, Book I., Latin Grammar. [In 1894, and afterwards, two books of Caesar may be required.]

*Mathematics.*—Arithmetic, including a knowledge of the Metric system ; Algebra to Quadratic Equations (inclusive) as in Colenso ; Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammer *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations, an equivalent amount of other books or other authors in Latin and Greek than those named may be

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accepted by the Examiners on application made through the Professor of Classics. At the June examination, candidates from Ontario may present an equivalent amount from the books prescribed for the Junior Matriculation Examination of the University of Toronto.

Candidates who at the Examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

The Matriculation or Junior leaving Examination accepted by the Universities of Ontario is accepted by the Faculty in so far as the subjects of their programme satifsy the Examiners of the Faculty, i.e. when the subjects taken are the same as or equivalent to those required in McGill University.

For Candidates from Ontario, Second Class non-professional certificates will be accepted *pro tanto* in the Examination.

For qualifications required of Normal School Students see Normal School regulations.

Candidates who fail in one or more subjects at the June examination, and present themselves again in the following September, will be exempted from examination in those subjects only in which the Examiners may have reported them as specially qualified.

(*b*) *Higher Examination—For First Class, Second Class and Passing.*

The examination will be held on September 14th and following days in McGill College only. (For Exhibitions, see § II.)

*Greek.*—Homer, Iliad, Bk. I or IV.; Xenophon, Anabasis, Bk. I. or IV.; Demosthenes, Philippics, I. and II.; or Homer, Odyssey, Bk. VII or IX.

*Latin.*—Cicero, in Catilinam, Orat. I. and II. or Pro Lege Manilia; Virgil, Aeneid, Bk I.; Caesar, Bell. Gall., Bks. I. and II. or, III. and IV.

A paper on Greek and Latin Grammar.

Translation at Sight from the easier Latin authors. Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25. Collar's Practical Latin Composition, Pts. III. and IV. or, an equivalent such as Arnold's Latin Prose Composition.

*Mathematics.*—Euclid, Bks. I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

*French.*—(solely as a test of qualification to join the French Class.)—Grammar up to the beginning of Syntax; and easy translation from French into English Candidates unable to take French will be required to study German after entrance.

SECOND YEAR ENTRANCE EXAMINATION.

Candidates may be admitted into the Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see § II.) held in September ; or the Candidates may take the First Year Sessional Examinations held in April. There is besides,

*For Passing only.*

An Examination beginnning on Sept. 14th, in McGill College only.

*In Classics.—Greek.*—Homer, Iliad, Book VI. ; Xenophon, Anabasis, Book I., Grammar and Prose Composition.

*Latin.*—Virgil, Aeneid, Book VI. ; Cicero, Orations against Catiline ; Grammar and Prose Composition.

[An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.]

*In Mathematics :—*

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (Omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations, (as in Colenso's Alg.)

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary rules, Proportion, Interest, Discount, &c., Vulgar and Decimal Fractions, Square Root, Metric System.

*In English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar ; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry.*—The Chemistry of the non-metallic Elements and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but are required to begin German, and to continue the study of it for two years.

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## 2. PARTIAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—All who are not Undergraduates or students in Special Courses are called Partial Students. Candidates for admission as Partial Students, must satisfy the professors of the several subjects they select of their fitness to attend the lectures or be examined in these subjects, as may from time to time be determined by the Faculty.

The subjects in which an examination is necessary are :—Latin, Greek, Mathematics, English, French. Candidates are required to appear at the ordinary entrance examinations announced above ; but on application to the Faculty, may, for sufficient cause, have a later day appointed.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

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## 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculty of Medicine in McGill University may pass in the above examinations.

Every Student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavor to establish befitting relations.

Every Student is required to sign the following :—

DECLARATION.

"I hereby declare that I will faithfully observe the statutes, rules and ordi-
"nances of this University of McGill College to the best of my ability."

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## 4. DIRECTIONS TO CANDIDATES FOR MATRICULATION OR ADMISSION.

Candidates are required :—

(*a*) To present themselves to the Dean at the beginning of the Session, and fill up a form of application for matriculation or admission (§ I.).

(*b*) To pass or to have passed the required examinations (§ I.). Candidates claiming exemption, according to the regulations above given, from examination in any subject on the ground of examinations previously passed, must present certificates of standing in the latter.

(*c*) To procure tickets from the Registrar (§XI.); and, to sign the declaration above given.

(*d*) To present their tickets to the Dean. (Fine, etc., for delay stated in §XI.

(*e*) To provide themselves with the Academic dress (§ VIII.).

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## § II. SCHOLARSHIPS AND EXHIBITIONS.

### General Regulations.

1. A Scholarship is tenable for *two* years; an Exhibition for *one* year.

2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation; and also to Candidates who have obtained what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.

3. Scholarships are divided into two classes:—(1) *Science* Scholarships; (2) *Classical and Modern Language* Scholarships. The subjects of examination for each are as follows:—

*Science Scholarships*:—Differential and Integral Calculus; Analytic Geometry; Plane and Spherical Trigonometry; Higher Algebra and Theory of Equations; Botany; Chemistry; Logic. (For subdivision, see below.)

*Classical and Modern Language Scholarships*:—Greek; Latin; English Composition; English Language, Literature, and History; French or German.

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to Candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two Sessions have elapsed since their Matriculation; and also to Candidates for entrance into the Second Year.

The subjects of examination are as follows:—

*First Year Exhibitions*.—Classics, Mathematics, English.

*Second Year Exhibitions*.—Classics, Mathematics, English Language and Literature, Chemistry and French or German.

5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.

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6. No Student can hold more than one Exhibition or Scholarship at the same time.

7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.

8. If in any one College Year there be not a sufficient number of Candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving Candidates in another year.

9. A successful Candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every Session.

There are at present seventeen Scholarships and Exhibitions :—

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank, Montreal :—value, about $90 yearly, open to both men and women.

TEN MCDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal :—value, $125 each yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects : —value, $120 yearly.

THE GEORGE HAGUE EXHIBITION given by George Hague, Esq., Montreal, for the encouragement of the study of Classics :—value, $125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills :—value, $100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature : —value, $100 to $120 yearly.

TWO DONALDA EXHIBITIONS, open to women in the Donalda Department :— value, $100 and $120 yearly.

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## EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1893.

N.B.—*Three of the Exhibitions are open to women (two of these to women, alone, either in the First or Second Year).*

*Extract from the Regulations :—*

"If in any one College Year there be not a sufficient number of candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving candidates in another year."

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*To Students entering the First Year, two Exhibitions of* $125, *two of* $100, *one of* $120, *and one of* $90.

*Subjects of Examination :—*

GREEK.—Homer, Iliad, Bk. I. or IV., Xenophon, Anabasis, Bk. I. or IV.; Demosthenes, Philippics I. and II., or Homer, Odyssey, Bk. VII.

LATIN.—Cicero, In Catilinam, Orat. I. and II; Virgil, Aeneid, Bk. I.; Caesar, Bell. Gall., Bks. I. and II., or III. and IV.

A paper on Greek and Latin Grammar.

*Mathematics.*—Euclid, Bks. I., II., III. IV.; Algebra to end of Harmonical Progression as in (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

The First Year Exhibitions will be awarded to the best answerers in the above course, provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful candidates, answering in the following subjects will be taken into account also :—

1. A retranslation into Latin of an English version of some passage from one of the easier Latin Prose writers. (For specimens, see Smith's Principia Latina, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English :—An Examination upon one of Shakespeare's plays. For 1893. —Macbeth.

4. French :—Syntax and translation from English into French, in addition to the entrance course.

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*To Students entering the Second Year, Four Exhibitions of* $125 (*see also* N.B. *above.*)

*Subjects of Examination :—*

*Greek.*—Homer, Odyssey, Bk. VII. or Bk. IX.; Plato, Laches; Demosthenes, Olynthiacs, I. and II.

*Latin.*—Virgil, Georgics, Bk. I., or Aeneid, Bk. III; Horace, Odes, Bk I.; Livy, Bk. XXII., or Cicero, Pro Lege Manilia and Pro Archia.

Greek and Latin Prose Composition, and Translation at sight from the less difficult Latin aud Greck authors.

A paper on Grammar and History.

*Text-Books.*—Myer's Ancient History. Abbott's Arnold's Greek Prose Composition. Latin Prose through English Idiom (Abbott).

*Mathematics.*—Euclids (six books); Algebra (Hall & Knight's Advanced) · McDowell's Exercices in Modern Geometry; Theory of Equations (in part) Trigonometry (first four chapters Galbraith & Hauqhton).

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*English Literature.*—Mason's Grammar. Shakespeie, *As you like It.* Trench, *Study of Words.*

*Chemistry.*—Roscoe's Lessons in Elementary Chemistry, as far as page 264.

*French.*—Darey, Principes de Grammaire Française; La Fontaine, les Fables, llvres III. and IV.; Molière, l'Avare.

*Or, Instead of French* :—

*German.*—German Grammai ; Grimm's Kinder—und Hausmærchen, (Vandersmissen's edition) ; Schiller—Der Gang nach dem Eisenhammer.

N.B. For 1894 add Schiller's Der Neffe als Onkel.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed, in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfill this condition

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*To Students entering the Third Year, three Scholarships of* $125 *and one of* $120, *tenable for two years.*

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows :—

1. *Mathematics.*—Differential Calculus (Williamson, C haps. 1, 2, 3, 4, 7, 9. Chap. 12, Arts. 168-183 inclusive ; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5 ; Chap. 7, Arts. 126-140 inclusive ; Chap. 8, Arts. 150-156 inclusive ; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 [omitting Chap. 8], with part of Chap. 14). Lock's Higher Trigonometry ; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equations (selected course).

   *Logic*, as in Jevons' Elementary Lessons in Logic.

2. *Natural Science.*—*Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with all the orders of Phanerogams, Pteridophytes and Bryophytes. *Chemistry*, as in Roscoe's Lessons in Ele mentary Chemistry.

   *Logic*, as in Jevons' Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows :—

*Classics.*—*Greek.*—Plato, Apology and Crito ; Demosthenes, the Olynthiacs ; Xenophon, Memorabilia, Book I.; Herodotus, Book VII.; Thucydides, Book VI. *Latin.*—Horace, Epistles, Book I.; Livy, Bks. XXI., XXIII., Virgil, Georgics, BookI. ; Sallust, Catiline ; Cicero,

Select Letters (Pritchard and Bernard ; Clarendon Press Series). Greek and Latin Prose Composition, and Translation at sight.

*History.—Text-Books.*—Smith's Student's Greece ; Mommsen's Rome (abridged)

*English Language and Literature.*—Spalding's English Literature (Chap. VI., Part III., to end of book); Shakspere, Tempest ; Milton's Paradise Lost, Books I. and II.; Trench, Study of Words.

*English Composition.*—High marks will be given for this subject.

*French.*—Racine, Britannicus ; Molière, les Femmes Savantes. French Grammar. Bonnefon, les Ecrivains célèbres de la France. Translation from English into French.

*Or, instead of French :—*

*German.*—Schiller,—Der Neffe als Onkel. Egmont's Leben und Tod (Buchheim). Die Kraniche des Ibycus ; German Grammar ; Translation from English into German.

N.B. For 1894 substitute for Der Neffe als Onkel the following : Schiller—Das Lied von der Glocke, Der Kampf mit dem Drachen ; Gœthe.—Torquato Tasso.

*Classical Subjects for Exhibitions, September*, 1894.

First Year.—*Greek.*—Homer, Iliad, Bk. IV. or VI., Xenophon, Anabasis, Bk. I. or IV.; Homer, Odyssey, VII. or IX.

*Latin.*—Virgil, Aen., Bk. I. or II.; Cicero, In Catilinam, I., II. or, Virgil, III. and IV.
Caesar, Bell. Gall. I. and II. or III. and IV.

Second Year.—*Greek.*—Xenophon, Hellenics, I. and II.; Demosthenes, Olynthiacs, I. and II.; Herodotus, Bk. III.

*Latin.*—Virgil, Georgics, Bk. I.; Horace, Odes, Bk. I.; Cicero, Pro Lege Manilia and Pro Archia.

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## EXEMPTIONS FROM TUITION FEES UNDER PRESENTATION SCHOLARSHIPS, ETC.

Four exemptions from tuition fees may be granted by the Board of Governors rom time to time, to the most successful Students who may present themselves as Candidates. By order of the Board, one of these is given annually to the Dux of the High School of Montreal, and one to the Dux of any other Academy or High School, sending up in one year for entrance, three or more Candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than $80, the Governors will add the amount of the fees of tuition reto.

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Exemptions from tuition fees, not exceeding three in number, may be given to holders of the Academy Diploma of the McGill Normal School, who, on fulfilling the required conditions, enter in the Second Year, if at the Diploma Examination they have taken 75 per cent. of the total marks, with not less than two-thirds of the marks in Latin and in Greek. (For exemptions from fees to Normal School Students, see regulations of Normal School.)

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioner's exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

## § III. COURSE OF STUDY.

An Undergraduate, in order to attain the Degree of B.A., is required, after passing the First Year Matriculation Examination (see § I), to attend the appointed courses of lectures regularly for four years, and to pass two Examinations in each year, viz., at Christmas and in April. If he fail at any one of these examinations, he is not allowed to proceed with his course until he has passed it subsequently. (See § IV.). Undergraduates are arranged, according to their standing, as of the First, Second, Third or Fourth Year.

The special arrangements made for Honour Students and for those attending lectures in other Faculties also are stated in § V.

### ORDINARY COURSE FOR THE DEGREE OF B.A.

### FIRST YEAR.

GREEK.—HOMER.—Iliad, Book XXII. Xenophon.—Hellenics, Book I. Studies in History and Literature.

LATIN.—CICERO—De Amicitia. VIRGIL—Aeneid, Bk. VI.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

MATHEMATICS.—Arithmetic. Euclid, six books. Algebra, to end of Quadratic equations. Plane Trigonometry, in part.

ENGLISH LANGUAGE AND LITERATURE.

First term.—English Composition, one lecture a week : English Literature, two lectures a week.

Second term.—MILTON'S Comus, one lecture a week. English Literature, in continuation of previous course two lectures a week. The whole course will present an outline of English Literature from the Anglo-Saxon period to the Elizabethan inclusive.

CHEMISTRY.—Lectures, chiefly on Elementary and Inorganic Chemistry, with experiments in the class-soom, and Laboratory work if desired; the whole preparatory to the Course in Natural Science.

FRENCH.—DAREY, Principes de Grammaire Française.—LA FONTAINE, Choix de Fables.—MOLIÈRE, L'Avare.—Dictation, Colloquial exercises.

*Or, instead of French, either of the following :—*

GERMAN.—VANDERSMISSEN AND FRASER'S German Grammar; JOYNES,—German Reader; Translations, oral and written; Dictation; Colloquial exercises.

HEBREW.—(For Theological Students only).—*Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology. Translation and Grammatical Analysis of Genesis.—*Text-Books :*—HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

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## SECOND YEAR.

GREEK.—PLATO.—Apology. Aeschlyus, Prometheus Vinctus. History of Greece.

LATIN.—HORACE.—Epistles, 'Bk. I., 1 to 6; Livy, Bk. XXI. Translation at sight, and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid. Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

MATHEMATICAL PHYSICS.—Mechanics, one lecture a week.

ENGLISH LITERATURE.—A period of English Literature and one play of Shakspere. During the session of 1893-4—The leading poets of the nineteenth century. SHAKSPERE, A Midsummer Night's Dream [Clarendon Press Edition.] TENNYSON. Gareth and Lynette.

PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (*Text Book :*—MURRAY'S Handbook of Psychology, Bk. I.). Second Term.—Logic (*Text-Book :*—JEVONS' Elementary Lessons in Logic).

BOTANY.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books :*—Gray's Structural Botany. Penhallow's Classification. Penhallow's Guide to the Collection of Plants. Gray's Manual.

FRENCH.—RACINE, Esther.—Ponsard, l'Honneur et l'Argent.—CONTANSEAU, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

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*Or, instead of French, either of the following:—*

GERMAN.—VANDERSMISSEN AND FRASER'S German Grammar; ADLER'S Progressive German Reader (selections from Sections 3-5); Storm's Immensee; Von Hillern Höher als die Kirche; Dictation; Colloquial exercises Parsing;

HEBREW.—(For Theological Students only.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Methods."—Translation from the Old Testament.—Exercises:—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

For the Intermediate Examination, see § IV.

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THIRD YEAR.

GREEK.—LYSIAS.—Contra Eratosthenem.
EURIPIDES.—Medea.

*Or, instead of Greek:—*

LATIN.—JUVENAL.—Satires VIII and XIII.
Pliny.—Select Letters.
Latin Prose Composition,

NATURAL PHILOSOPHY.—MATHEMATICAL PHYSICS.—GALBRAITH AND HAUGHTON'S Mechanics, viz., *Statics*, First three chapters, omitting sec. 5, chapter I., and sec. 21, chapter II.; *Dynamics*, subjects of the first five chapters. Maxwell's Matter and Motion (parts). GALBRAITH AND HAUGHTON'S Hydrostatics.

In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the Student, provided two be taken from one division and one from the other.

*I. Literature, &c.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—(A) CHAUCER'S Prologue to Canterbury Tales, ed. Morris. (B) BAIN'S Rhetoric.

MENTAL PHILOSOPHY.—First Term:—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term: The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II., Part I.

FRENCH.—(If taken in the first two years). CORNEILLE, Cinna.—Cogery—Third French course. Translation into French.—Johnson, Rasselas. French Composition. Dictation.—CONTANSEAU, Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours.

GERMAN.—(If taken in the first two years).—VANDERSMISSEN AND FRASER'S German Grammar; SCHILLER—Siege of Antwerp; LESSING—Minna von Barnhelm; History of German Literature prior to the 18th century; German composition; Dictation.

HEBREW.—(For Theological Students).—*Advanced Course.*—Gesenius' Grammar—Harper's Elements of Syntax. Exercises continued.—Translation from the Old Testament.—Reading of the Masoretic notes.

*II. Science.*

†OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy), English edition; first five chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

†EXPERIMENMAL PHYSICS.—Electricity, Magnetism, and Sound; or, Light and Heat; as in Ganot's Treatise.

ZOOLOGY AND PALÆONTOLOGY.—Elements of Animal Physiology, Classification of Animals. Characters of the Classes and Orders of Animals, with Recent and Fossil Examples, taken as far as possible from Canadian Species. Demonstrations in the Museum. *Text-Book.*—Dawson's Handbook of Zoology.

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## FOURTH YEAR.

GREEK.—ÆSCHINES.—Contra Ctesiphontem.

*Or, instead of Greek:—*

LATIN.—TACITUS.—Annals, Book I.
Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics.* Mechanics and Hydrostatics (as in Third Year), or Astronomy (GALBRAITH AND HAUGHTON) and Optics (GALBRAITH AND HAUGHTON).

MORAL PHILOSOPHY.—First Term:—The Psychological Basis of Ethics. Second Term:—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text-Book:*—Murray's Introduction to Ethics.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively), the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

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HISTORY.—Lectures on the History of Europe from the downfall of the Roman Empire of the West to the Reformation. *Text-Books*:—MYERS, Mediæval and Modern History, pp. 1-398; BRYCE, Holy Roman Empire (omit chaps. 6, 8, 9, 13, and Supplementary chapter).

FRENCH.—(If taken in Third Year.)—Bonnefon, Les Ecrivains modernes de la France. Translation into French. Morley's Ideal Commonwealths. Dictation. CORNEILLE, Cinna.

GERMAN.—(If taken in Third Year.—Goethe—Aus meinem Leben; SCHILLER—Wallenstein; German Grammar and Composition; Dictation History of German Literature in the 18th and 19th centuries.

HEBREW.—(For Theological Students.)—Advanced Course continued.

*II. Science:*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Light and Heat; or Electricity, Magnetism and Sound, as in GANOT's Treatise.

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Petrography.* Minerals and rocks, especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology.*—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-Book.*—Dawson's Handbook of Canadian Geology.

For the B.A. Examinations see § IV.

NOTE ON THE ORDINARY COURSE FOR B.A

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the Student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional Course is intended to be more than equivalent in the amount of work involved for any of the other subjects in the division.

(For details of additional courses provided, see under Section XII.)

Undergraduates are required to study either French or German for two years (viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the Language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

Undergraduates who have been previously Partial Students, and have in this capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures; but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

† Students claiming exemptions (see § V.) cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

### HONOUR COURSES.

*Third and Fourth Years.*

1. Classical Languages and Literature.
2. Mathematics and Physics.
3. Mental and Moral Philosophy.
4. English Language, Literature and History.
5. Geology and other Natural Sciences.
6. Modern Languages with History.
7. Semitic Languages.

Honours are given in Mathematics in the First and Second Years also.

Candidates for Honours are allowed exemptions under conditions stated in § V.

## § IV. EXAMINATIONS.

### COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two examinations in each year:—one at Christmas and the other at the end of the Session. In each of these the Students who pass are arranged according to their answering as 1st Class, 2nd Class and 3rd Class.

In the Fourth Year only, the University Examination for B.A. takes the place of the Sessional Examinations

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject before admission to the Sessional Examinations.

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3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examinations of the first two years, or in one subject at the third year Sessional Examinations, involves the loss of the Session. The Faculty may permit the Student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. A list of those to whom the Faculty may grant Supplemental Examinations will be published after the examinations. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of $5.

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## UNIVERSITY EXAMINATIONS.

*For Students of McGill College and of Colleges affiliated in Arts.*

### 1. FOR THE DEGREE OF B.A.

There are three University Examinations: The *Matriculation*, at entrance; the *Intermediate*, at the end of the Second Year; and the *Final*, at the end of the Fourth Year.

1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination, the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1894 are as follows:—

*Classics.*—Greek.—Plato, Apology; Aeschylus, Prometheus Vinctus. Latin.—Horace, Epistles, Bk. I., 1 to 6.—Livy, Bk. XXI. Latin Prose Composition, and Translation at sight of Latin into English.

*Mathematics.*—Arithmetic.

Euclid, Books I., II., III., IV., VI., and defs. of Book V.
Algebra, to Quadratic Equations, inclusive. (as in Colenso)
Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—Spalding's History of English Literature, or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.
With one of the following :—

1. *Botany.*—Structural and Systematic Botany, as in Gray's Text-Book, and descriptive analysis of plants.

2. *French.*—Ponsard :—l'Honneur et l'Argent. Racine :—Esther. Contanseau :—Précis de la Littérature Française, from the beginning to the XVIIIth century. Translation into French :—Rasselas. Grammatical questions.

3. *German.*—Vandersmissen & Fraser's German Grammar; Adler's Progressive Reader (selections from secs. 3 to 5); Storm's Immensee; Von Hillern—Höher als die Kirche; Dictation; Colloquial exercises; Translations, oral and written.

4. *Hebrew.*—Genesis—chap. III., IV., XXXVII. Exodus—chap. XV. Deuteronomy,—chap. V. Exercises: Hebrew into English, and English into Hebrew. Syntax. Reading of the Masoretic notes and of the Septuagint version.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz., Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics), or Astronomy and Optics; Moral Philosophy; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1894 are as follows :—

1. *Greek.*—Æschines, Contra Ctesiphontem; Euripides, Medea.
*Greek History.*—From the close of the Peloponnesian war to the death of Philip. (Or Latin, as follows) :—

2. *Latin.*—Tacitus, Annals, Book I.; Juvenal, Satt. VIII. and XIII.
*Roman History.*—The twelve Cæsars.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books, with parts of Maxwell's "Matter and Motion"; or *Optics and Astronomy, as in Galbraith & Haughton's text-books.

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*Mental and Moral Philosophy.*

Murray's Introduction to Ethics.
*Additional Courses as in § XII.

*Natural Sciences.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Handbook of Canadian Geology.
*Practical Geology and Palæontology ; or Practical chemistry, as in § XII.

*Experimental Physics.*

Light and Heat. (See courses of Lectures, § XII.)

*History.*

Myers :—Mediæval and Modern History ; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and Supplementary Chapter).
*Additional Course as in § XII.

*French.*

The Course of French for the Fourth Year.
*The subjects of the Additional Course as in § XII.

*German.*

The course of German for the Fourth Year.
*Additional Course as in § XII.

*Hebrew* (Theological Students).

Genesis XLIX ; Psalms XXIV to XXVII ; Isaiah I to V inclusive ; Ecclesiastes X to XII. Translation at Sight.
Gesenius' Grammar ; Harper's Elements of Syntax ; Reading of the Masoretic notes and of the Septuagint Version.
Additional Courses (see § XII.).

For details of each subject, see Courses of Lectures, § XII.

At the B.A. Ordinary Examination, of the Candidates who obtain the required aggregate of marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration :—

"Ego ——polliceor sancteque recipio me, pro meis viribus

studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam."

II. FOR THE DEGREE OF M.A.

1. A Candidate must be a Bachelor of Arts of at least three years standing.

*Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules:—

(*a*) The subject of the thesis must be submitted to the Faculty before the thesis is presented.

(*b*) A paper read previously to any association, or published in any way cannot be accepted as a thesis.

(*c*) The thesis submitted becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

(*d*) The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of* 1893-94 *for sending in Theses for M.A. will be Jan.* 31*st*, 1894.

*Examination.*

3. All Candidates, except those who have taken First or Second Rank B.A. Honours or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each Candidate may select.

(*a*) The subjects of the Examination in *Literature* are divided into two groups as follows:—

Group A.—1. Latin. 2. Greek. 3. Hebrew.

Group B.—1. French. 2. German. 3. English.

(*b*) The subjects for the Examination in *Science* are divided into three groups:—

Group A.—1. Pure Mathematics (Advanced or Ordinary). 2 Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics

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Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(*c*) Every candidate in Literature is required to select two subjects out of one group in the literary section, and one out of the other group in the same section for the Examination. Every Candidate in Science is required to select two out of the three groups in the Scientific section ; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(*d*) One of the subjects selected as above will be considered the principal subject (being so denoted by the candidate at the time of application), and the other two as subordinate subjects.

(*e*) The whole examination may be taken in one year, or distributed over two or three years, provided the examination in any one subject is not divided.

For further details of the examination, application must be made to the Faculty before the above date. For fees see § XI. (In case of failure the candidate may present himself in a subsequent year without further payment of fees.)

*Lectures to Bachelors of Arts.*

Lectures are open to Bachelors of Arts who are candidates for M.A., the sessional examinations corresponding to these lectures being reckoned as parts of the M.A. examination. The subjects are Greek, Latin, English, Mental and Moral Philosophy, Chemistry, Botany, Geology and Mineralogy, French, German.

### III. FOR THE DEGREE OF LL.D.

This Degree is intended as an incentive to and recognition of special study by Masters of Arts in some branch of Literature or Science. The thesis or short printed treatise referred to below is regarded as the chief test of the candidate's mastery of the subject he has chosen and of his power of handling it. A very wide range of choice is allowed in order to suit individual tastes.

The following are the regulations :—

I. Candidates must be Masters of Arts of at least twelve years standing. Every candidate for the Degree of LL.D. in course is

required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

II. Every Candidate for the Degree of LL.D. in Course is required to submit to the Faculty of Arts, with his thesis, a list of books, treating of some one branch of Literature or of Science satisfactory to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees see § XI.

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## § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (*a*) he has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (*b*) satisfied the Professor that he is otherwise qualified. (*c*) While attending lectures his progress must be satisfactory to the Professor. If not satisfactory, he may be notified by the Faculty to discontinue attendance.

### *I. Candidates for Honours in the Second Year.*

Candidates for Honours in the Second Year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

### *II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examinations of the Second Year have taken First Rank Honours, if Honours be offered in the subjects, or if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any

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one of the subjects required by the general rule (see § III), except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary Undergraduates.

*III. Candidates for B.A. Honours.*

A Student who has taken Honours of the first rank in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see § III.

*IV. Professional Students.*

Students of the Third and Fourth Years, matriculated in the Faculties of Law, Medicine, or Applied Science, of the University, or in any affiliated Theogical College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates," see § IV.)

To be allowed these privileges in either year, they must give notice at the commencement of the session to the Dean of the Faculty of Arts of their intention to claim exemptions as Professional Students, and must produce at the end of the session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

*V. Students of the University attending Affiliated Theological Colleges.*

1. Such students are subject to the regulations of the Faculty of Arts in the same manner as other Students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such students may attend, as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the Degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French or German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

*Any student who, under any of the above rules, desires to take Experimental Physics is required to take Mechanics and Hydrostatics also, in the Third Year.

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## § VI. MEDALS, HONOURS, PRIZES AND CLASSING.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:—

The *Henry Chapman Gold Medal*, for Classical Languages and Literature.
The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.
The *Anne Molson Gold Medal*, for Mathematics and Natural Philosophy.
The *Shakespere Gold Medal*, for the English Language, Literature and History.
The *Logan Gold Medal*, for Geology and other Natural Sciences.
*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no Candidate for any Medal, or if none of the Candidates fulfils the required conditions, the Medal will be with held, and the proceeds of its enpowment for the year may be devoted to prizes in the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

The Honour Examinations are each divided into two parts, separated by an interval of a few days, under the following regulations:—

(*a*) No Candidate will be admitted to Part II., unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

(*b*) The names of the successful Candidates in Part I. will be announced before Part II. begins.

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(*c*) First or Second Rank Honours will be awarded to those Candidates only who are successful in Part II.

(*d*) Third Rank Honours will be awarded to those who are successful in Part I alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for first-class Certificates for Grades "A and B."*

3. SPECIAL CERTIFICATES will be given to those Candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination; have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year; are in the First Class in not less than half the subjects, and have no Third Class. At this examination, no Candidate who has taken exemptions (see § V.) can be placed in the First Class unless he has obtained First Class in four of the departments in which he has been examined; he must have no Third Class.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the Studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES to those Undergraduates who may have distinguished themselves in the studies of a particular class and have attended all the other classes proper to their year.

6. His Excellency Lord Stanley has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing as may be announced.

(*a*) The Regulations for the former are as follows:—

(1) The subjects for competition shall be French and German, together with a portion of the History prescribed for the present Honour Course for the Shakspeare Medal. Information concerning the History may be obtained from the Lecturer on History.

(2) The Course of Study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition, and the privileges as regards exemptions, shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter on the Third Year of the Course, who have not obtained first-class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the Course in Modern Languages, if called on to do so by the Professors.

(8) The subjects of Examination shall be those of the Honour Course in Modern Languages.

(*b*) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows :—

(1) The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2) He shall be examined in the following subjects :—

(*a*) *Classics* (both languages) ; (*b*) *Mixed Mathematics :—Mechanics Hydrostatics, Optics, Astronomy ;* (*c*) *Moral Philosophy ;* and any *two* of the following subjects, or any *one* of them with its Additional Course ; (*d*) Natural Science ; (*e*) Experimental Physics ; (*f*) English and History ; (*g*) French ; (*h*) German.

(3) His answering must satisfy special conditions laid down by the Faculty.

(4) The same Candidate cannot obtain the Gold Medal for First Rank General Standing and also a Gold Medal for First Rank Honours.

7. The Neil Stewart Prize of $18 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University, under the following rules :—

(1) The prize will not be given for less than a thorough examination on Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch, and such poetic portions of the Scriptures as may be determined.

(2) In case competitors should fail to attain the above standard, the prize

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will be withheld, and a prize of $36 will be offered in the following year for the same.

[Course for the present year :—Hebrew Grammar (Gesenius); Translation and analysis of Exodus; Isaiah XL. to the end of the book.

(3) There will be two Examinations of three hours each—one in Grammar and the other in Translation and Analysis.

This Prize founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill.

8. Early English Text Society's Prize.—The prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be :—

(1) The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A.D. 1298—A.D. 1393. The Lay of Havelock the Dane (Early English Text Society, ed. Skeat.).

9. New Shakspere Society's Prize.—This Prize, the annual gift of the New Shakspere Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere :—

Hamlet; Macbeth; Othello; King Lear.

10. "Charles G. Coster Memorial Prize."—This Prize, intended as a tribute to the memory of the late Rev. Chas. G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1894, it will be awarded to that Undergraduate of the First, Second or Third Year, from the above Provinces, who, in the opinion of the Faculty, has passed the most satisfactory Sessional Examinations, under certain conditions laid down by the donor.

11. Science Scholarships Granted by Her Majesty's Commission for the Exhibition of 1851.—These scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of

the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

Two nominations to these scholarships have already been placed by the Commission in 1891 and 1893 at the disposal of McGill University and have been awarded.

When nominations are offered they are open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and are tenable at any University or at any other Institution approved by the Commission.

12. The names of those who have taken Honours, Certificate or Prizes will be published in order of merit; with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

## § VII. LICENSED BOARDING HOUSES.

1. All Students under 21 years of age, not residing with parents for guardians, nor belonging to a Theological College, shall reside in licensed boarding-houses, unless they produce written authority from parents or guardians to reside elsewhere.

2. Persons applying for a license to keep boarding-houses shall produce evidence satisfactory to the Principal as to their character and fitness, and the suitability of the house for the health and comfort of the Students. They shall also supply him with a statement of charges.

3. The keeper of the boarding house shall report immediately to the Principal the entrance or departure of any Student, and any instance of immorality or disorderly conduct.

(Note. Board and rooms can be obtained at a cost of from $15 to $25 per month: Rooms only, from $4 to $10 per month: Board only, from $12 to $18 per month.)

## § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct:—

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1. A Class-book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of the lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned the Student may, at the discretion of the Professor, be required to leave the class room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a session shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, students are expected to conduct themselves in the same orderly manner as in the class rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the student, and, if necessary, report him to the Dean.

5. Every student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

7. Any student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interests of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

[NOTE.—All Students are required to appear in Academic dress while in or about the College buildings. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings appointed in the Calendar.]

## § IX. LIBRARY.

Librarian;—C. H. GOULD, B.A.
Assistant Lidrarian:—H. MOTT.

*Extract from the Regulations.*

1. The books in the Library are classed in two divisions:—1st, Those which may be lent; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

2. Students in the Faculty of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of $5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the Session on the certificate of the Librarian or his assistant that the books have been returned uninjured.

3. Students may borrow not more than three volumes at one time, except on the recommendation in writing of a Professor for specified books, and must return them within two weeks, on penalty of a fine of 5 cents a volume for each day of detention. An additional deposit of $4 entitles a student to borrow two extra volumes.

4. A student incurring fines beyond the sum total of $1 shall be debarred the use of the Library until they have been paid.

5. Any volume, or volumes, lost or damaged by any person shall be replaced or paid for at such rates as the Library Committee may direct; and such rate of payment shall be determined by the value of the book itself, or of the set to which the volume belongs. And, further, any person found guilty of wilfully damaging any book, either by defacement or mutilation, or in any other way, shall be excluded from the Library, and shall be debarred from the use thereof for such time as the Library Committee may determine.

6. Graduates in any of the Faculties, on making a deposit of $5, are entitled to the use of the Library, subject to the same rules and conditions as Students; but they are not required to pay the annual Library fee.

7. Graduates residing beyond the City limits, and applying for the loan of books from the Library, shall not receive such books without the sanction of the Librarian, and depositing the value of the books with the Bursar of the College.

8. Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by special regulation of Corporation entitled to the use of Library on the same conditions as Graduates, but they are not required to make a deposit.

9. Students in the Faculties of Law and Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of $5 with the Bursar, may borrow books on the same conditions as Students in Arts. They are required to present their Matriculation Tickets to the Bursa and to the Librarian or his assistant.

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10. Persons not connected with the College may consult books in the Library on obtaining an order from any of the Governors, or from the Principal, or the Dean of the Faculty of Arts or of Applied Science, or from any of the Professors in the said Faculties. Donors of books or money to the amount of Fifty dollars may at any time consult books on application to the Librarian.

11. The Library is kept open from 9 a.m. to 4 p.m. daily, and no person shall be allowed in the Library except during these hours.

12. No person, other than the Librarian and the assistant, is allowed to enter the alcoves, or take down books from the shelves, except members of Corporation, and Professors, or those whom any of the above may accompany personally.

13. A person desiring to read or to borrow a book, which he has ascertained from the Catalogue to be in the Library, will fill up one of the blank forms provided for Readers and Borrowers respectively, and hand it to the Library Assistant who will thereupon procure him the book.

14. Readers must return the books they have obtained to the Library Assisant before leaving the Library.

15. No conversation is permitted in the Library.

## § X. PETER REDPATH MUSEUM.

1. The Museum will be open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

3. Students will enter by the front door only, except when going to lec tures.

4. Any Students wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the Session.

## § XI. FEES.

All fees and fines are payable to the Bursar of the College.

The scale of fees here given comes into operation in September, 1893.

I. *Undergraduates.*

$35.00 per session including the fee heretofore paid for the B. A. degree,

II. *Partial Students.*

$8.00 per session for one class including the use of the Library; $4.00 per session for each additional class.

III. *Miscellaneous.*

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|---|---|
| *Laboratory and Practical Classes*, viz., *Chemistry*, *Botany*, *Physics*, each per session (special) | 10 00 |
| *Elocution* (special) | 2 00 |

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|---|---|
| *Petrography* (special) | 5 00 |
| *Gymnasium* | 2 50 |
| *Supplemental Examination*, at date fixed by Faculty | 2 00 |
| *Supplemental Examination*, when granted at any other time than that fixed by the Faculty | 5 00 |
| *Fee for a certificate of standing*, if granted to a student on application | 1 00 |
| *Fee for a certificate of standing*, if accompanied by a statement of classification in the several subjects of examination | 2 00 |
| *Examination Fee* for Students of Affiliated Theological Colleges who present themselves for the entrance examination without intending to become Undergraduates | 10 00 |
| *Matriculation Certificate*, for Students intending to enter the Medical Faculty | 2 50 |

N.B.—The lectures in one subject in any one of the four college years constitute a "Course."

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures, except those noted as requiring a special fee.

The fees must be paid to the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of $2.

[All fines are applied to the purchase of books for the Library.]

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|---|---|
| *Fee for the degree of M.A* | 10 00* |
| " " " *LL.D* | 50 00* |

If the degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is $25.00.

The M.A. or LL.D. fee must be sent with the thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the thesis to the Dean of the Faculty.

*A Bachelor of Arts or a Master of Arts intending to proceed to a higher Degree is required, in *addition* to the above, to keep his name on the books of the University, by the annual payment of a fee of $2 to the Registrar of the University. He may, if he prefer it, compound for the above annual fees, by the payment of $6 in one sum for the Master's Degree, or $30 for the Doctor's Degree, on or before the date of application for the Degree.

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*Extract from the Regulations of the Board of Governors for Election of Fellows under Chap. V. of the Statutes of the University.*

"From and after the graduation of 1888, all new Graduates shall "pay a Registration Fee of $2.50 at the time of their graduation,

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" in addition to the Graduation Fee ; and shall be entered in the " University list as privileged to vote, and shall have voting-papers " mailed to them by the Secretary."

## § XII. COURSES OF LECTURES.

### *I. ORDINARY COURSE.*

#### 1. CLASSICAL LITERATURE AND HISTORY.

(Major H. Mills Professorship of Classics.)

Professor :—Rev. G. Cornish, M.A., LL.D.

Associate Professor :—A. J. Eaton, M.A., Ph.D.

Sessional Lecturer :—John L. Day, B.A.

GREEK.

*First Year.*—Homer.—Iliad, Book XXII. Xenophon.—Hellenics, Book I.
*Second Year.*—Plato.—Apology. Prometheus Vinctus. History of Greece.
*Third Year.*—Lysias.—Contra Eratosthenem. Euripides.—Medea.
*Fourth Year.*—Æschines.—Contra Ctesiphontem.

LATIN.

*First Year.*—Cicero.—De Amicitia. Virgil.—Aeneid, Bk. VI. Latin Prose Composition and Translation at Sight.—Bender's Roman Literature.—History of Rome

*Second Year.*—Livy, Bk. XXI.—Horace, Epistles, Bk. I., 1 to 6.—Translation at sight of passages from Cicero and Livy, and Latin Prose Composition based upon selections from the same authors.

*Third Year.*—Juvenal.—Satires VIII. and XIII. Pliny, Select Letters Latin Prose Composition,

*Fourth Year.*—Tacitus.—Annals, Book I. Latin Prose Composition.

In the work of the Class the attention of the Student is directed to the collateral subjects of History, Antiquities and Geography ; also to the grammatical structure and affinities of the Greek and Latin Languages, and to Prosody and Accentuation.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London : Trubner & Co.).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of students.

Number of lectures in Fourth Year—two weekly, or, at the discretion of the Professor, three.

## 2. ENGLISH LANGUAGE AND LITERATURE.

(Molson Professorship.)

Professor:—Chas. E. Moyse, B.A.

Sessional Lecturer:—W. J. Messenger, B.A.

*First Year.*—English Language and Literature. Three lectures a week, Until Christmas the work of the Class will consist of exercises in English Composition once a week. Two lectures a week will be given to the study of English. After Christmas the course on English Literature will be continued and brought down to the end of the Elizabethan Period. Students are recommended to use Prof. Henry Morley's Charts of English Literature, and to read the first chapter of Henry Morley's English Writers (Cassell, 1887).*

*Second Year.*—A period of English Literature, one play of Shakspeare and a modern poem. One Lecture a week before Christmas; two lectures a week after Christmas. During the session of 1893-94, the leading poets of the Nineteenth Century will form the subject of the Lectures. Shakspeare—A Midsummer Night's Dream (Clarendon Press Edition.) Tennyson—Gareth and Lynette.

*Third Year.*—*A.* Chaucer's Prologue to Canterbury Tales. Lectures once a week; *Text-Book:*—Chaucer's Prologue, etc., ed. Morris. *B.* Rhetoric. Lecture once a week; *Text-Book:*—Bain's Rhetoric.

*Fourth Year.*—History. The lectures (once a week) will be a sketch of general European History from the fall of the Roman Empire of the West to the Discovery of the New World. The use of Professor Nichol's Tables of European History is recommended.

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## 3. MENTAL AND MORAL PHILOSOPHY.

(John Frothingham Professorship of Mental and Moral Philosophy.)

Professor:—Rev. J. Clark Murray, LL.D.

Lecturer:—Paul T. Lafleur, M.A.

*Second Year.*—First term:—Elementary Psychology. (*Text-Book:*—Murray's Handbook of Psychology, Book I.) Second Term:—Logic. *Text-Book*, —Jevons' Elementary lessons in Logic.)*

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* The prizes are awarded on the work of the whole Session.

*Third Year.*—First Term:—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term:—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term:—The Psychological Basis of Ethics. Second Term:—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text-Book:*—Murray's Introduction to Ethics.

In the Third and Fourth Years, Students are also required to write occasional essays on philosophical subjects.

For Additional Courses see Honour Course.

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## 4. FRENCH LANGUAGE AND LITERATURE.

Professor:—P. J. Darey, M.A., B.C.L., LL.D., Officier d'Académie.

Sessional Lecturer:—Rev. J. L. Morin, M.A.

*First Year.*—Darey—Principes de Grammaire Française. La Fontaine—Choix de fables. Molière—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine—Esther. Ponsard—l'Honneur et l'Argent. Contanseau—Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIe siècle. Translation into French:—Dr. Johnson—Rasselas. Dictation. Parsing. Colloquial exercises.

*Third Year.*—Corneille, Cinna. Cogery—Third French course. Translation into French:—Johnson—Rasselas. Dictation. Contanseau—Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours.

*Fourth Year.*—Cogery—Third French course. Bonnefon—Les Ecrivains modernes de la France. Translation into French:—Morley—Ideal Commonwealths. French Composition. Dictation. Corneille, Cinna.

For Additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

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## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer:—L. R. Gregor, B.A.

*First Year.*—Vandersmissen and Fraser's German Grammar; Joynes' German Reader: Dictation; Colloquial exercises.

*Second Year.*—Vandersmissen and Fraser's German Grammar; Adler's Progressive German Reader (selections from Sections 3-5); Storm's Immensee; Von Hillern—Höher als die Kirche; Parsing; Dictation; Colloquial exercises.

*Third Year.*—Vandersmissen and Fraser's German Grammar; Lessing—Minna von Barnhelm; Schiller—Siege of Antwerp; History of German Literature prior to the 18th century; German Composition; Dictation.

*Fourth Year.*—German Grammar and Composition; Goethe—Aus meinem Leben; Schiller—Wallenstein; History of German Literature in the 18th and 19th centuries.

For Additional Courses see Honour Lectures.

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## 6. HEBREW AND ORIENTAL LITERATURE.

Professor:—Rev. D. Coussirat, B.A., D.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—*Text-Books.*—Harper's Elements of Hebrew: and Introductory Hebrew Method and Manual.

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements and Method."—

Translation from the Hebrew Bible.—Exercises.—Hebrew into English and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation from the Hebrew Bible.—Reading of the Masoretic notes and of the Septuagint Version.

The course comprises Lectures on the above Language and its Literature in particular, its genius and peculiarities with a general notice of the other Oriental Languages. Comparative Philology, affinity of Roots, etc., also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, etc.

For Additional Course see Honour Lectures.

## 7. MATHEMATICS AND NATURAL PHILOSOPHY.

(Peter Redpath Professorship of Natural Philosophy.)

Professor:—Alexander Johnson, M.A., LL.D.

In the ordinary work of the First Year, assistance will be given by G. H. Chandler, M.A., Professor of Practical Mathematics in the Faculty of Applied Science, and by H. M. Tory, B.A., Sessional Lecturer.

*First Year.*—Mathematics.—Arithmetic.—Euclid, Books, 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6); Todhunter's Edition—or Hall and Stevens'; the latter is recommended to Candidates for Honours especially. Colenso's Algebra (Part I) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—Mathematics.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

Physics.—*Elementary Mechanics.*—One lecture a week up to March. An examination will be held then, which must be passed in order to secure credit for attendance on the lectures.

The course for the Intermediate University Examination consists of the Mathematics for the first two years.

*Third Year.*—Mathematical Physics.—Galbraith and Haughton's Mechanics viz.: *Statics*, first 3 chapters, omitting sec. 5, chapter 1, and sec. 21, chapter II; *Dynamics*, subjects of the first 5 chapters; the corresponding parts of Clerk Maxwell's "Matter and Motion"; Galbraith and Haughton's Hydrostatics. The lectures on this subject begun in the previous year will end about Christmas.

(*Optional, but open to those only who have studied the above Mathematical Physics*).—Optics (Galbraith and Haughton). Astronomy (Lockyer's Elementary Astronomy, English edition; first five chapters, viz.: The Stars and Nebulæ; The Sun; The Solar System; Apparent movements; Time). Stu-

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dents are recommended to use with this an "Easy Guide to the Constellations," by Gall.

*Fourth Year.*—ASTRONOMY.—(*Optional*) Galbraith and Haughton's Astronomy.—The lectures on this subject will be given before Christmas.

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## 8. EXPERIMENTAL PHYSICS.

(W. C. McDONALD PROFESSORSHIP.)

Professor:—JOHN COX, M.A.

*Third Year.*—Sound, Electricity and Magnetism.—Laws of Energy.

*Fourth Year.*—Heat and Light.

In each year two hours a week will be devoted to fully illustrated experimental Lectures on the subjects named. Courses of practical work in the Physical Laboratory in the McDonald Physics building are arranged so that experiments, chiefly quantitative, bearing on the subjects treated in the Lectures, may be performed by the Students themselves. Opportunity is given to learn the nature and use of the principal instruments employed in the exact and practical measurement of physical quantities.

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## 9. GEOLOGY, MINERALOGY AND PETROGRAPHY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

Professor:—SIR J. WM. DAWSON, C.M.G., LL.D., F.R.S., F.G.S.

B. J. HARRINGTON, B.A., Ph.D., F.G.S, Professor of Mineralogy.

FRANK D. ADAMS, M. Ap. Sc., Ph. D., F. G.S. A. Lecturer on Petrography and Physical Geology.

*Fourth Year* (1)—MINERALOGY AND PETROGRAPHY.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

(2) PHYSICAL GEOLOGY AND STRATIGRAPHY.—Denudation and Origin of Aqueous Deposits; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Origin of Mountains; Field Geology and Construction of Geological Maps and Sections.

(3) CHRONOLOGICAL GEOLOGY AND PALÆONTOLOGY.—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each. Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

TEXT-BOOKS.—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the Library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., infra.

The Geology course is especially fitted to those students who have taken the Natural Science studies of the previous years, but others are not excluded.

## 10. ZOOLOGY AND PALÆONTOLOGY.

Professor:—Sir J. William Dawson, LL.D., F.R.S.

Demonstrator:—W. E. Deeks, B.A.

*Third Year.*—Zoology and Palæontology. Elements of Animal Physiology. Classification of Animals. Characters of the Classes and Orders of Animals with recent and fossil examples, taken as far as possible from Canadian species,—the whole with reference to the study of Canadian Animals recent and fossil. Demonstrations in the Museum. *Text-Book.*—Dawson's Handbook of Zoology, with books of reference.

A prize of $20 will be given for a collection of specimens of recent or fossil animals, accurately named. The Prize collections or duplicates of them to remain in the Museum if required. Candidates must be students of Zoology of the previous session, and the prize will not be awarded except for a collection of sufficient merit, and belonging to some one class of recent animals, or the fossils of one geological system or one definite locality.

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## 11. BOTANY.

Professor:—D. P. Penhallow, B. Sc.

Demonstrator:—C. N. Derick, B.A.

*Second Year.*—This course is designed to give the students a thorough acquaintance with the principles of Morphology and Classification, the elements of Histology and the most prominent physiological functions of the plant. The Flora of Canada will be given prominence as far as possible, and in descriptive work constant use will be made of the large Herbarium and of the Botanic Garden. So far as time will permit, weekly excursions will be made for field study of plants.

Text-Books.—Gray's Structural Botany. Gray's Manual. Penhallow's Classification. Penhallow's Guide to the Collection of Plants.

For the coming year a prize of $25.00 will be offered by Mr. Alfred Joyce for the best collection of Canadian plants.

The specimens must be prepared in accordance with Penhallow's Guide to the Collection of Plants. Specimens collected by persons other than the actual competitors will not be admitted except when obtained by exchange. Competition is open to those students only who have taken the regular course of Botany in the previous session. Cutivated plants will not be taken into consideration.

All collections will be returned after the awards have been made.

*Third Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. Microscopical manipulations, micro-chemical reactions, general histology of Phanerogams. Microscopical Drawing.

*Fourth Year.*—Additional Course. *Vegetable Histology.*—Two lectures with practical work each week. A continuation of the Course in the third year embracing a study of the structure and life history of Cryptogams. No

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student will be admitted to the course in the Fourth Year without having followed that for the Third Year.

TEXT-BOOKS.—Goebel's Outlines of Classification and Special Morphology.

*Fee for Additional Course*, $10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

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## 12. CHEMISTRY.

(DAVID J. GREENSHIELDS PROFESSORSHIP OF CHEMISTRY AND MINERALOGY.)

Professor:—B. J. HARRINGTON, B.A., PH.D.

Sessional Lecturer:—NEVIL N. EVANS, B.A.Sc.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The Lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the Laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the non-metallic and metallic Elements, and many of their compounds, etc. A few Lectures are usually devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, etc. During the course, attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

TEXT-BOOK.—Remsen's Introduction to the study of Chemistry.

*Third Year.*—ADDITIONAL DEPARTMENT (*The Chemistry of the Metals or Organic Chemistry*).—One Lecture a week. (*Practical Chemistry*)—Qualitative Analysis, as in Fresenius' Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—ADDITIONAL DEPARTMENT.—A course of Practical Chemistry, in continuation of that of the Third Year.

NOTE.—The chemical laboratories are capable of accommodating about forty Students, and afford excellent facilities for practical work. Students in Arts taking classes in Practical Chemistry pay a special fee of ten dollars for the session.

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## 13. METEOROLOGY.

Superintendent of Observatory:—C. H. MCLEOD, MA. E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

### 14. PEDAGOGY.

Lectures on this subject will be given in the Normal School to undergraduates of the Third and Fourth Years who wish to obtain the Provincial Academy Diploma.

Lecture hours: 3 p.m., Tuesday and Friday.

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### 15. ELOCUTION.

Instructor:—J. P. STEPHEN.

Instruction is given in this subject at hours that will be settled at the beginning of the session. Special fee for session, $2.

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### 16. GYMNASTICS.

Instructor:—R. T. MACKENZIE, B.A., M.D.

The classes will meet at the University Gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the Graduating Class and to students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter. (See Regulations appended.)

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## *II. HONOUR COURSES.*

### 1. CLASSICS.

THIRD YEAR.

*Greek.*

1. *Greek Authors*:—Plato, Apology, Crito, Laches and Euthyphro; Demosthenes, Olynthiacs; Herodotus, Bk. VII.; Thucydides, Bk. VI. Euripides, Medea; The Authors to be read in class will be selected at the beginning of the session.
2. *Translation at sight* from the works of Xenophon and Homer, and *Greek Prose Composition.*
3. *History* of *Greece* (Selections from Grote); Mahaffy's *History of Greek Literature* (Selections).
4. *General Paper* on Grammar, Antiquities, Mythology and Philology.

*Latin.*

1. *Latin Authors*:—Cicero, Select Letters, and De Officiis, Bk. III.; Sallust, Catiline; Catullus, Selections; Horace, Epistles, Bk. I.; Tibullus and Propertius (Selections) Livy, Bks. XXI.-XXV.

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2. *Sight Translation* from Caesar, Nepos, Virgil, Ovid and Livy, and *Latin Prose Composition.*
3. *History of Rome* (Selected portions of Mommsen); Teuffel's or Cruttwell's *History of Roman Literature* (Golden Age of Roman Literature).
4. *Grammar*; *Mythology* and *Antiquities.* A paper testing the candidate's general knowledge of classical philology will be given. The following works are recommended for this purpose:
Gow's Companion to School Classics (2nd Edition).
Murray's Manual of Mythology. Giles, A short Manual of Philology for Classical Students. Madvig's Latin Grammar (rev. by Thacher). Guhl and Kohner's Life of the Greeks and Romans.

FOURTH YEAR.

*Part I.* (1) *Greek Authors*:—Æschylus, Prometheus Vinctus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics Bks. I. and II.; Æschines, Contra Ctesiphontem. (2) Latin *Authors*:—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires V. and VI.; Livy, Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero De Officiis. (3) *Greek and Latin Prose Comporition*:—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1) *Greek*:—Plato, Republic, Books I. and II.; Aristotle, The Poetics; Thucydides, Books VI. and VII.; Hesiod, Works and Days; Æschylus Seven against Thebes; Aristophanes, The Frogs; Pindar, Olympic Odes; Theocritus, Idylls I. to VI.; Demosthenes, De Corona. (2) *Latin*:—Livy, Books XXII. and XXIII.; Tacitus, Annals, Book I.; Tacitus, Histories, Book. I.; Virgil, Æneid, Books I. to IV.; Plautus, Aulularia; Terence, Adelphi; Juvenal, Sat. X.; Cicero, De Imperio Cn. Pompeii. (3) *History of Greece and Rome*:—*Text-Books.*—1. Grote's History of Greece. 2. Arnold's History of Rome, 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature, 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Haigh's Attic Theatre. (4) *Composition*:—Composition in Greek and Latin Prose. (5) General Paper on Grammar, History and Antiquities.

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## 2. MENTAL AND MORAL PHILOSOPHY.

THIRD YEAR.

*Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; James' Principles of Psychology, Chapters 10-16 inclusive; selected portions from Thomson's Outline of the Laws of Thought, from Jevons' Principles of Science, and from Venn's Empirical Logic. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Plato's Theaetetus (by S. W. Dyde); Fraser's Selections from Berkeley.

FOURTH YEAR.

*Part I.*—Erdmann's History of Philosophy, Vol. II. (Engl. Transl.); James Principles of Psychology, Vol. II; Spencer's First Principles; Green's Prolegomena to Ethics; Mill's System of Logic, Book VI. Any two of these subjects along with the Honour Lectures may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of Candidates for Honours are expected to display superior ability in the discussion of philosophical subjects.

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## 3. ENGLISH LANGUAGE, LITERATURE AND HISTORY.

THIRD YEAR.

*Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX. inclusive; Spencer—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution; Hallam—Middle Ages, chaps. 1, 3, 5. (The above mentioned portion of the Honour work constitutes the Additional Course of the Third Year.) Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absolom and Achitophel, Part I.; the Preface to the "Fables;" Macaulay—Essays on Clive, Ranke's History of the Popes, and Warren Hastings.

*Part II.*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apologie for Poetry (ed. Arber, to be obtained by post from the editor, 1 Montague Road, Edgbaston, Birmingham, price 6d.); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's edition); Leslie Stephen—English Thought in the Eighteenth Century, Vol. II., chap. X., sections V-X. inclusive; Macaulay, Vol. I., chap. I.; Green, History of the English People—(Reigns of Eliz. and Chas. II.).

FOURTH YEAR.

*Part I.*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—Essay on Criticism, Essay on Man; Shelley—Adonais; Tennyson—In Memoriam; Buckle—History of Civ. in England, 4 chaps. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year.) Early English; Morris and Skeat, Part II. Extt. X-XX inclusive; Shakspeare—Love's Labour Lost—A Midsummer Night's Dream—Hamlet; Matthew Arnold—Essays in Criticism (the second).

*Part II.*—Portion of Beowulf (ed. Harrison and Sharp); Sweet's Second Anglo-Saxon Reader; Vespasian Hymns; Sir Thomas More—Utopia (ed.

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Arber); Villiers—Rehearsal (ed. Arber); Campbell—Pleasures of Hope; Tennyson—Coming of Arthur, Gareth and Lynette, Holy Grail, Passing of Arthur; Gibbon—Decline and Fall, and chaps. L., LI., LXIV., LXV.; Guizot—History of Civilization in Europe; Macaulay—Vol. I., chap. 3; Freeman—Growth of the English Constitution.

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## 4. MATHEMATICS AND PHYSICS.

*First and Second Years.*—MATHEMATICS.—Hall and Stevens' Euclid; McDowell's Exercises in Modern Geometry; Hall and Knight's Advanced Algebra; Todhunter's or Burnside and Panton's Theory of Equations (selected course); Lock's Higher Trigonometry, with McClelland and Preston's Spherical Trigonometry, Part I.; Salmon's Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13 inclusive; Williamson's Differential and Integral Calculus (selected course).

*Third Year.*—MATHEMATICAL PHYSICS.—Part I.—Minchin's Statics, Vol. I, selected chapters. Williamson and Tarleton's Dynamics, Chaps. 1 to 8 inclusive. Part II.—Remainder of Minchin's Statics, Vol. I., Besant's Hydro-mechanics, Part I., chaps. 1, 2, 3, 7; Godfray's Astronomy; Parkinson's Optics.

### B. A. HONOUR COURSE.

*Part I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole) PURE MATHEMATICS.—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*—PURE MATHEMATICS.—Boole's or Forsyth's Differential Equations (selected course). MECHANICS.—Minchin's Statics, Vol. II., except chapters 14 and 18. Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a particle). Routh's Dynamics of a Rigid Body, (for reference). Besant's Hydro-mechanics.

PHYSICAL ASTRONOMY.—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9 and 11.

LIGHT.—Preston's Theory of Light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity, or Emtage's Electricity and Magnetism.

HEAT
ACOUSTICS } As in ordinary course.

The above course in each year, and the lecture hours assigned to it in the time table, are subject to alterations or omissions, which will be made definitely known to Candidates for Honours at the beginning of the session.

### COURSE FOR THE ANNE MOLSON MATHEMATICAL PRIZE.

(1) The Mathematical Physics of the Honour Course of the Third Year.
(2) Salmon's Geometry of Three Dimensions (selected course).
(3) Williamson's Differential and Integral Calculus (selected Course).

## 5. GEOLOGY AND NATURAL HISTORY.

### THIRD YEAR.

*Part I.—Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of rocks. (One lecture weekly during the First Term, and two during the Second )

*Part II.—Blowpipe Analysis and Determinative Mineralogy.*—(One afternoon weekly in the Laboratory during the session. *Text-Book.*—Brush's Determinative Mineralogy and Blowpipe.)

Instructions will be given to the class for study and collection in the vacation.

### B. A. HONOUR COURSE.

*Part I.*—(1) *Mineralogy.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada. Calculations of Mineralogical Formulæ, Quantivalent Ratios, etc. (Two lectures weekly in the First Term.)

(2) *Plæontology.*- Being an extension of that in the third year, with special studies of the more important groups of Fossils. One lecture and one demonstration weekly in the First Term.)

*Part II.*—(3) *Petrography.*—Essential and accessory constituents of Rock. Microscopic and macroscopic characters. Preparations of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture weekly in the Secon Term, with additional practical work or demonstrations.

(4) *Canadian Geology.*—Special studies of the Geology of the Dominion of Canada. (One lecture weekly in the Second Term.)

(5) *Practical and Applied Geology.*—Including methods of observing and recording geological facts, and searching for mineral deposits—Geology as applied to the Arts. (One lecture weekly in the Second Term) with additional practical work or demonstrations.

During the second term, four hours a week will be devoted to practical work and demonstrations, which will include each week a colloquium on some Geological question.

Text-Books.—Dana, Geikie, Dawson, Nicholson, Survey Reports, etc.

Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honours.

### ADDITIONAL DEPARTMENT.

*Third Year.*—Mineralogy as in Part I. above.

*Fourth Year.*—Palæontology and Practical Geology as in Parts I. and II. above. Or the student may take the Lectiures in Mineralogy instead of Palæontology, or those in Petrography or Canadian Geology instead of Practical Geology.

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## 6. MODERN LANGUAGES.

(French and German, both of which must be taken.)

THIRD YEAR.

*Part I.*—FRENCH.—La Fontaine :—Les Fables. Racine :—Les Plaideurs. Paul Albert :—Littérature de XVIIe siècle. Translation into French.—Goldsmith :—The Vicar of Wakefield. Corneille :—Horace.

GERMAN.—Heine—Die Harzreise, Schiller—Wilhelm Tell ; Macmillans German Composition. (Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Course in French and German must also be taken. See § III.

*Part II.*—FRENCH.—Racine :—Phèdre, Les Plaideurs. Boileau : - L'Art Poétique. Pascal :—Les Pensées. Clédat.—Grammatre Elémentaire de la vieille langue Française.

GERMAN.—Lessing—Laokoon ; A special study of Goethe's Faust (Part I) History of German Literature in the 16th, 17th and 18th centuries (Gostwick and Harrison).

FOURTH YEAR.

*Part I.*—French.—Clédat, Grammaire Elémentaire de la vieille langue Française. Paul Albert :—La Littérature Française dès les origines à la fin du XVIe siècle. Emile Souvestre :—Un Philosophe sous les toits. Translation into French :—As You like it.

GERMAN.—Lessing—Nathan der Weise ; Schiller—Maria Suart ; Behaghel's Deutsche Sprache ; Wieland—Die Abderiten ; Macmillan's German Prose. Composition.

(Either of the above may be taken as the Additional Course in the language to which it belongs.)

The Ordinary Courses in French and German must also be taken.

*Part II.*—FRENCH.—Molière :—Le Misanthrope. Victor Hugo :—Hermani. La-Rochefoucauld ;—Les Maximes. Montaigne :—Les Essais (Extraits par Eug Voizard). Clédat, Grammaire Elémentaire do la vieille langue Française. Constans :—Chrestomathie des anciens textes Français.

GERMAN.—Goethe—Hermann und Dorothea ; Schiller—Die Jungfrau von Orleaus ; Selections from Heine's Lyrical Poems ; Paul—Middle High German Grammar ; Zarncke—Das Nibelungenlied ; History of German Literature in the 13th, 14th and 15th centuries.

For First and Second Rank Honours the successful Candidates must be capable of speaking and writing both languages.

## 7. SEMITIC LANGUAGES.

THIRD YEAR.

*Part I.—Hebrew.*—Genesis, Isaiah, 40-66. Ecclesiastes.—*Literature.* F. Lenormant: The beginning of History.

*Part II.—Aramaic.*—Daniel, Ezra. Selections from the Targums. *Literature.*—Sayce: Lectures on the Origin and Growth of Religion.

FOURTH YEAR.

*Part I.—Hebrew.*—Malachi, Psalms, 1-72. Job, 26-42. *Literature.*—Renan: A general History of the Semitic Languages.

*Part II.—Syriac.*—Selections from the Peshito, and from the Chronicles of Bar Hebrœus.—*Literature.*—W. Wright: Comparative Grammar of the Semitic Languages.

ADDITIONAL COURSE.

Part II. of each year (Literature excepted), along with the Honour Lectures.

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# LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS.

## SESSION OF 1893–94.

| | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| FIRST YEAR. | 9 | Latin. | † Mathematics. (*b*) | Mathematics. | † Mathematics. (*b*) | Mathematics. |
| | 10 | Mathematics. | Greek. | Latin. | Latin. | Greek. |
| | 11 | English. | * French. | * French. *German. | * French. * German. | English. |
| | 12 | Elementary Chemistry. | * German. * Hebrew. | English. | * Hebrew. | Elementary Chemistry. |
| SECOND YEAR. | 9 | * French. | Logic. | * French. | * Hebrew. | French. |
| | 10 | Greek. | * Hebrew. | Logic. | Logic. | * German. † Mathematics. |
| | 11 | Mathematics. | Latin. | † Mathematics. Botany. | Latin. | Greek. |
| | 12 | † Mathematics. Botany. | * German (*c*). Math. Phy. | English (*b*). Latin (*a*.) | * German (*c*.) | English. |
| THIRD YEAR. | 9 | English Literature. | Greek. Geol. † (*b*) | † Greek. † Math. Phy. | Greek. | † Greek. † English. † Geol. |
| | | † Geology. (*b*) | | † Anglo-Saxon. | | German. † Math. Phys. |
| | 10 | German. †Math. Physics. | French. † Ment. Phil. | Physics (Mathematical). | French. Chemistry. | Rhetoric. |
| | | † Mental Philosophy. | † Latin. | | Hebrew. | * Syriac, etc. |
| | 11 | Mental Philosophy. | Zoology. | Mental Philosophy. | Zoology. | Math. Physics. |
| | | † Latin | | | | |
| | 12 | | Experimental Physics. | Latin. | Experimental Physics. | Latin. |
| | 1 | | Hebrew. | | Hebrew. | |
| FOURTH YEAR. | 9 | Exp. Physics. | Astronomy. (*a*) | † Greek. Geology. †Math. Phy. | Exp. Physics. | † Greek. † Math. Physics. |
| | 10 | Geology. | French. † Ment. Phil. | | † Mental Philosophy. | Geology. |
| | | | | | German. History. | |
| | 11 | Latin. † Geology. | Moral Phil. † Math. Phys. | Greek. | Moral Philosophy. | French. † Geology. Anglo-Saxon and Early English. |
| | | | † Chaldee. | | † Chaldee. | |
| | 12 | Moral Phil. | | † Geology. Hebrew. | Astronomy. (*a*) | German. |
| | 1 | | | | Hebrew. | |

(*a*) During First Term. (*b*) Second Term. (*c*) For beginners entering 2nd Year. † For Candidates for Honours.
* The Student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew.
Classes at 1 p.m. may be changed to other hours.
Library open every day, 9 to 4. The Museum will be opened as arranged by the Principal.
Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, Monday and Thursday, at 2 p.m., for 3d and 4th Years; First Year with the Class in Applied Science.

# Special Course for Women.

## IN THE FACULTY OF ARTS.

### DONALDA ENDOWMENT.

Professors and Lecturers (as on page 1). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding-Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates wear the Academic Dress; others do not.

The *Jane Redpath Exhibition* is open for competition, at the beginning of the First or Second Year, to both men and women.

Two other Exhibitions (one of the value of $100, along with free tuition, the other $120 without free tuition) are open for competition in the First or Second Year to Students of the Donalda Department only. For course see § II. *ante.* Candidates for these Exhibitions are allowed, according to the general rule of the Donalda Department, to substitute a Modern language for Greek in the examination. In this case while the regulation concerning one modern language will for Entrance only be as in § II *ante*, the course in that which is to be substituted for Greek in the Exhibition Examination will be :—

For First Year :—

*French :*—Grammar—Darey's Principes de Grammaire Française—Grammar. La Fontaine's Fables. Molière—Le Bourgeois Gentilhomme. Sardou—Mlle de la Seiglière. Translation from English into French.

or *German :*—Vandersmissen and Fraser's German Grammar; Adler's Reader—First and Second sections; Schiller—Der Gang nach dem Eisenhammer, Das Lied von der Glocke; Translation from English into German.

N.B.—For examination in 1894 add Stifter's Haidedorf.

For Second Year :—

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*French*:—Eugène Voizard, Essais de Montaigne. Lamartine, Jeanne d'Arc. CORNEILLE, Cinna.

or *German* :—

Schiller—Der Neffe als Onkel, Egmont's Leben und Tod, Die Kraniche des Ibykus (Buchheim); Grammar; Translation of French and English into German.

N.B.—For examination in 1895 add Schiller'rs Geisterseher.

One free tuition may be awarded to a Candidate who approaches very near to the winner of either of the Exhibitions.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

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## I. MATRICULATION AND ADMISSION.

*Classics.*—I. *Latin.*—Caesar, Bell. Gall., Book I.; and Virgil, Aeneid, Book I, Latin Grammar. [In 1894, and afterwards, two books of Caesar, will be required.]

*Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language, subject to the same regulations throughout the course of four years. In and after 1895, there will be an entrance examination in German for such candidates.

*Mathematics.*—Arithmetic including a knowledge of the Metric System; Algebra to Quadratic Equations (inclusive) as in Colenso; Euclid, Books, I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, *including Analysis.* A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates taking Greek and unable to take French are not excluded, but will be required to study German after entrance. This regulation holds good only until 1895.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners, on application made through the Professor of Classics.

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination in these subjects.)

PARTIAL STUDENTS—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In separate Classes.*

*First Year.*—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

*Second Year.*—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics and Mathematical Physics; Botany.

*Third Year.*—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions, at the option of the Student, provided two be selected from one division and one from the other:—

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been previously chosen. (*b*) French or German (whichever has been taken in the first two years). (*c*) English and Rhetoric. (*d*) Mental Philosophy.

*II. Science.*—(*e*) Optics and Descriptive Astronomy. (*f*) † Experimental Physics. (*g*) Natural Science (Zoology).

*Fourth Year.*—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy with any three subjects out of the two following divisions, at the option of the Student, provided two be selected out of the one division, and one out of the other.

*I. Literature, etc.*—(*a*) Greek or Latin, according as Latin or Greek has been taken above. (*b*) French or German, same language as in Third Year. (*c*) History.

*II. Science.*—(*d*) Astronomy and Optics, if not chosen as above. (*e*) † Experimental Physics. (*f*) Natural Science (Geology).

† Undergraduates claiming exemptions (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the student in either Third or Fourth Year may select one subject only, together with an additional course in the same, or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the Division.

Additional courses are provided at present in Botany and Practical Chemis-

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*Gymnastics.*—A class will be conducted by Miss Barnjum, which will be optional and open to Partial Students.

*Elocution.*—Instruction in this subject will be given to those who desire it, by Mr. J. P. Stephen. Special fee for session, $2.

HONOUR COURSES AND ADDITIONAL COURSES.

(*In Mixed Classes.*)

Undergraduates desirous to take one of the Honour Courses in Classics Mathematics, Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XII. of the Calendar.

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## III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D., conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as Fellows.

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## IV. FEES.

The fees are the same as for men (see Section XI., *ante*.).

The fees are to be paid to the Registrar of the University, from whom tickets for the Library and copies of the Library Rules may be obtained.

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examinations and is recommended by the Commissioners.

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## V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalda Department, every day during the session, except Saturday.

## LECTURES OPEN TO PARTIAL STUDENTS, SESSION, 1893-94.

CHEMISTRY:—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY:—*Prof. Penhallow.* Monday at 11, Wednesday at 12.

ZOOLOGY:—*Mr. Deeks.* Tuesday and Thursday at 12.

GEOLOGY:—*Dr. Adams.* Monday and Friday at 12. Wednesday at 10 a.m.

EXPERIMENTAL PHYSICS:—*Professor Cox.* Tuesday and Thursday, at 10 a.m. and 11 a.m.

PSYCHOLOGY AND LOGIC:—*Rev. Dr. Murray and Mr. Lafleur.* Tuesday and Friday at 4 p.m., and Monday at 3 p.m.

MENTAL PHILOSOPHY:—*Rev. Dr. Murray and Mr. Lafleur.* Monday at 4 p.m. and Wednesday at 3 p.m.

MORAL PHILOSOPHY:—*Rev. Dr. Murray.* Tuesday and Wednesday at 12, and Friday at 11 a. m.

RHETORIC:—*Mr. Lafleur.* Tuesday at 11 a.m.

ENGLISH:—*Prof. Moyse.* Language and Literature, Tuesday, Wednesday and Friday at 4 p.m. Poets on the 19th Century, Wednesday, 3 p.m. Shakspeare, every alternate Friday at 3 p.m. Chaucer. Monday at 10 a.m.

HISTORY:—*Prof. Moyse.* Thursday at 9 a.m.

LATIN AND GREEK*:—*Rev. Dr. Cornish and Dr. Eaton.*

FRENCH*:—*Dr. Darey.*

GERMAN:—*Mr. Gregor.*

MATHEMATICS AND MATHEMATICAL PHYSICS*:—*Dr. Johnson and Mr. Tory.*

Those Courses in which two lectures weekly are delivered will each amount to about 45 lectures, and the others in proportion.

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* The lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation as ascertained by examination.

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## FACULTY OF ARTS.

*Ordinary Lectures in the Donalda Special Course for Women.

| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. |
|---|---|---|---|---|---|---|
| First Year. | 9 | † Mathematics (*b*) | | | | |
| | 11 | | German. | † Mathematics (*b*) | Greek. | |
| | 12 | | Chemistry. | | Chemistry. | |
| | 2 | Mathematics | French. | Mathematics. | French. | Mathematics. |
| | 3 | Latin. | English. | Latin. | German. | Latin. |
| | 4 | Greek. | | English. | | English. |
| Second Year. | 10 | Mathematics. | † Math. Phy. | | Greek. | Latin. |
| | 11 | Botany. | Mathe matics. | Latin. | † Mathematics. | |
| | 12 | Greek. | Latin. | Botany. | | |
| | 2 | | | | | |
| | 3 | Logic. | French. | English. | French. | English. |
| | 4 | German. | Logic. | | German. | Logic. |
| Third Year. | 10 | English. | Greek. | | Greek. | French. |
| | 11 | French. | Rhetoric Exp. Physics. | | Exp. Physics. | Latin. |
| | 12 | Latin. | Zoology. | Math. Physics. | Zoology. | Math. Physics |
| | 3 | German. | | Metaphysics. | German. | |
| | 4 | Metaphysics. | | | | |
| Fourth Year. | | Astronomy (*a*) | | | History. | |
| | 10 | French | Exp. Physics. | Geology. | Exp. Physics. | French. |
| | 11 | German. | Latin. | Astronomy (*a*). | Greek. | Moral Phil. |
| | 12 | Geology. | Moral Phil. | Moral Phil. | | Geology. |
| | 2 | | | | | German. |

The hours for Practical Chemistry and Additional Botany will be arranged at the beginning of the Session.

† For Candidates for Honours.

* For Honour Lectures in 3rd and 4th years see previous table.

(*a*) During First Term.

(*b*) During Second Term.

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# Faculty of Applied Science.

THE PRINCIPAL (*ex officio*).

Professors :—HARRINGTON.
BOVEY.
MCLEOD.
CHANDLER.
CARUS-WILSON
NICOLSON.

Associate Professors :—DAREY.
MOYSE.
PENHALLOW.
COX.
ADAMS.

Lecturers:—CARLYLE, EVANS, LEA.

Associate Lecturers :—LAFLEUR, ADAMS, GREGOR.

Dean of the Faculty :—HENRY T. BOVEY, LL.D., M. Inst. C.E., F.R.S.C.

## § I. GENERAL STATEMENT.

The Instruction in this Faculty is designed to afford a complete preliminary training of a practical as well as theoretical nature, to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Five distinct Departments of study are established, viz.:—

(1)—Civil Engineering and Surveying. (2)—Electrical Engineering. (3)—Mechanical Engineering. (4)—Mining Engineering. (5)—Practical Chemistry.

Each of these extends over four years, and is specially adapted to the prospective pursuits of the Student The subjects of instruction in the several Departments are given in the Table on the following page.

The Degrees conferred by the University upon such undergraduates of this Faculty as shall fulfill the conditions and pass the Examinations hereinafter stated will be, in the first instance. "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and, subsequently, the degree of "Master of Engineering" or of "Master of Applied Science." § IV.)

## § II. TABLE SHOWING THE SUBJECTS OF INSTRUCTION, AND HOURS PER WEEK DEVOTED TO EACH SUBJECT.

| | SUBJECTS. | Description under | Civil Engineering. | Electrical Engineering. | Mechanical Engineering. | Mining Engineering. | Practical Chemistry. |
|---|---|---|---|---|---|---|---|
| FIRST YEAR. | Chemistry | § XI., 8 | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 | 5 to 8 |
| | English | " 14 | 3 | 3 | 3 | 3 | 3 |
| | French or German | " 15 | 3 | 3 | 3 | 3 | 3 |
| | Mathematics | " 13 | 10 | 10 | 10 | 10 | 10 |
| | Freehand Drawing | " 4 | 3 | 3 | 3 | 3 | 3 |
| | Geometrical Drawing | " 3 | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 | 3 to 6 |
| | Shopwork | § XIV. | 7 | 7 | 7 | 7 | 7 |
| SECOND YEAR. | Botany | § XI., 11 | — | — | — | — | 2 |
| | Chemistry | " 8 | — | — | — | 7 | 14 |
| | English | " 14 | 1 | 1 | 1 | 1 | 1 |
| | French or German | " 15 | 2 | 2 | 2 | 2 | 2 |
| | Mathematics | " 13 | 6 | 6 | 6 | 6 | — |
| | Mechanism | " 6 | — | 2 | 2 | — | — |
| | Physics | " 12 | 2 | 2 | 2 | 2 | 2 |
| | Surveying | " 2 | 3 | — | — | 3 | — |
| | Zoology* | " 10 | 3 | — | — | 3 | — |
| | Drawing | " 3 | 8 | 8 | 6 | 6 | — |
| | Physical Laboratory | § XII., 3 | 6 | 6 | 6 | 3 | 5 |
| | Shopwork | XIV | 3 | 6 | 6 | 3 | — |
| THIRD YEAR. | Chemistry | § XI., 8 | — | — | — | 6 | 16 |
| | Determinative Mineralogy | " 8 | — | — | — | 3 | 3 |
| | Electrical Engine ring | " 5 | — | 2 (b) | — | — | — |
| | Geology and Mineralogy * * | " 10 | 3 | — | — | 4 to 5 | 4 to 25 |
| | German | " 15 | — | — | — | — | |
| | Kinematics and Dynamics of Machinery | " 6 | — | 2 | 2 | — | — |
| | Mathematics | " 13 | 3 | 3 | 3 | 3 | — |
| | Mechanism | " 6 | 2 | — | — | 2 | — |
| | Mining | " 7 | — | — | — | 3 | — |
| | Physics | " 12 | 2 | 2 | 2 | 2 | 2 |
| | Surveying | " 2 | 3 | — | — | 3 | — |
| | Theory of Structures | " 1 | 4 | 3 (a) | 3 | 3 | — |
| | Zoology * | " 10 | — | — | — | — | 3 |
| | Drawing | " 3 | 9 | 6 | 6 | 3 | — |
| | Electrical Laboratory | XII. 6 | — | 6 (b) | — | — | — |
| | Physical Laboratory | " 3 | 3 | 8 to 10 | 3 | 3 | 3 |
| | Testing Laboratory | " 4 | 6 | 3 | 3 | — | — |
| | Thermodynamic Laboratory | " 5 | — | 3 | 6 | — | — |
| | Shopwork | § XIV. | — | 6 | 6 | — | |
| FOURTH YEAR. | Assaying | § XI, 18 | — | — | — | 9 | — |
| | Chemistry | " 8 | — | — | — | — | 24 |
| | Dynamics of Machinery | " 6 | — | 1 | 1 | — | — |
| | Electrical Engineering | " 5 | — | 2 | — | — | — |
| | Geodesy | " 2 | 2 | — | — | — | — |
| | Geology and Mineralogy * * | " 10 | — | — | — | 3 | 3 |
| | Hydraulics | " 1 | 2 | — | 2 | 2 | — |
| | Machine Design | " 6 | — | 1 | 1 | — | — |
| | Mathematics | " 13 | 3 | 3 | 3 | 2 | — |
| | Metallurgy | " 7 | — | — | — | 2 | 2 |
| | Theory of Structures | " 1 | 4 | — | — | — | — |
| | Thermodynamics | " 9 | 1 | 1 | 1 | 1 | — |
| | Drawing (Designing) | " 3 | 6 | 3 | 9 | 3 | — |
| | Electrical Laboratory | § XII., 6 | — | 12 | — | — | — |
| | Geodetic Laboratory | " 7 | 3 | — | — | — | — |
| | Hydraulics Lab ratory | " 8 | 3 | — | 3 | 3 (a) | — |
| | Mechanical Laboratory | " 9 | — | — | 7 | — | — |
| | Museum Work | | — | — | — | 6 | — |
| | Physical Laboratory | " 3 | Opt. | 10 | Opt. | Opt. | Oct. |
| | Testing Laboratory | " 4 | 3 | — | — | — | — |
| | Thermodynamic Laboratory | " 5 | 3 | — | 7 | — | — |
| | Shopwork | § XIV. | 3 | 4 | 4 | — | — |

(a) First term. (b) Second Term. * Besides study in the Museum.
** Also Saturday excursions, and Museum and Petrographical work.

## § III. MATRICULATION AND ADMISSION.

All Students are recommended to take the First and Second Years of the Arts Course. They are then admitted into the Faculty of Applied Science without examination.

Students and Graduates in Arts will be admitted to such standing in the Faculty of Applied Science as their previous studies will warrant, but are recommended to take the drawing and shop-work during their Arts Course.

Candidates for examination must present themselves on the first day of examinations, and all Students must attend punctually at 9 a.m. on Wednesday, September 20th, when the lectures will begin.

Examinations for entrance will be held (1) on June 1st and following days in McGill College and at local centres, and (2) on Friday, September 15th, and following days in McGill College only.

Any Head Master or other person desiring a local examination in June must, before May 10th, submit the name of some suitable person, preferably a University graduate, who is willing to act as Deputy Examiner, *i.e.*, receive the questions, hold the examinations, and forward the answers to Montreal. Further particulars relating to this examination will be given on application to the Secretary of the University.

### SUBJECTS OF EXAMINATION.

MATHEMATICS.—*Arithmetic*—All the ordinary rules, including square root, and a knowledge of the Metric System.

*Algebra*—Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations of one or more unknown quantities.

*Geometry*—Euclid, Bks. I., II., III., with easy deductions. Also, in 1894 and subsequently, Bks. IV. and VI., with definitions of Bk. V.

*Trigonometry*—As in Hamblin Smith, pp. 1-100, omitting Ch. XI.

ENGLISH—*Dictation*. *Grammar* including analysis. Also, in 1894 and subsequently, the leading events of English History.

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After entrance, one modern language, viz., FRENCH or GERMAN, must be studied. In the former subject an entrance examination (to the beginning of Syntax, with easy translation) will be held at the same time as the other examinations. The German may be taken without previous examination.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

PARTIAL STUDENTS.—Students may be allowed to take one or more courses of instruction, upon showing by examination or otherwise that they are qualified to do so.

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## § IV. EXAMINATIONS.

### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

#### 1. FACULTY EXAMINATIONS.

There will be a Christmas examination for Students of the First Year in all the subjects, and for Students of the Second, Third and Fourth Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A sessional examination in all the subjects will be held at the end of the First and Second Years.

#### 2. UNIVERSITY EXAMINATIONS.

(*a*) There will be a primary examination at the end of the Third Year in all the subjects of that year. Candidates must pass this Examination before entering the Final Year.

(*b*) There will be a final examination for the degree of Bachelor of Applied Science at the end of the Fourth Year, in all the subjects of that year.

Successful Students will be arranged in order of merit.

### II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Electrical, Mechanical, or Mining Branch of Engineering.

They must pass with credit an examination extending over the

general theory and practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for examinations, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the examination. (See also § V.)

III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an examination on the theory and practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading. (See also § V.)

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## § V. GRADUATE COURSES.

Students who take the Bachelor's degree in one of the courses provided by the Faculty of Applied Science may graduate in any of the remaining courses by attending one or more subsequent sessions.

Graduates may also take an advanced course in the branch in which they have received their degree. On passing an examination at the end of such advanced course, the Master's degree will be conferred without further examination as soon as satisfactory certificates of having been employed for two years in practical work have been received.

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## § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

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## § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the University Library and Museum as Undergraduates in Arts.

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## § VIII. FEES.

The total fees for all Students will be $100.00 per annum, of which amount the sum of $63.00 is for tuition, $12.00 are University fees (matriculation, library, graduation, etc.), and $25.00 are for the use of the machinery and other apparatus, as well as the cost of material in the workshops and engineering laboratories.

Every Student will be required to deposit with the Secretary of the University the sum of $5.00, as caution money for damage done to the machinery or other apparatus.

Partial Students may be admitted to the Professional Classes in any year by payment of the ordinary fees for that year; or they may attend the lectures on any subject by payment of a special fee. The fee for English or French or German is $4.00 per session. In all other subjects, the fee, unless otherwise specified, is $10.00 for each term or $20.00 for the whole session.

Special Workshop Fees.—Partial Students desirous of taking the workshop courses will be required to pay the following fees, which include cost of materials and use of all tools:

| | | | | | |
|---|---|---|---|---|---|
| 1 day, or 7 hours per week for the whole Session from September to April: | | | | | $25 00 |
| 2 days, or 14 | " | " | " | " | 45 00 |
| 3 days, or 21 | " | " | " | " | 60 00 |
| 4 days, or 28 | " | " | " | " | 70 00 |

The fees must be paid to the Secretary, and the tickets shown to the Dean, within a fortnight after the commencement of attendance in each Session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, on payment of a fine of $1.

Students are required to purchase their own chemicals, etc., except in the First Year. The larger pieces of chemical apparatus will be supplied by the Laboratory, the Students being responsible for breakage.

Graduates in the Faculty of Applied Science may take further courses on payment of half the ordinary tuition fees.

Fee for the Degree of Master of Engineering or Master of Applied Science, $10.00.

If for any special reason the Degree of MA.E., or M.A.Sc., be granted *in absentiâ*, the fee will be $25.00.

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## § IX. MEDALS, EXHIBITIONS, PRIZES AND HONOURS.

1. The BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for the Session 1893-94 will be awarded to the Student in the Fourth Year who takes the highest standing in the Mechanical Engineering Course.

2. THE STANLEY SILVER MEDAL (the gift of His Excellency The Right Honourable Lord Stanley).

The Stanley Medal for the Session 1893-94 will be awarded in the Fourth Year.

The following Exhibitions and Prizes will be open for competition at the beginning of the session, *Students being required to notify the Dean of their intention to compete, at least one week before the commencement of the examinations.*

3. A British Association Exhibition of $50.00 to Students entering the Fourth Year, the subjects of examination being the Mathematics and Theory of Structures of the Ordinary Course.

4. A SCOTT EXHIBITION of $60.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being:—

(*a*) Macaulay's History of England, Vol. I, cap. I; Scott's Lady of the Lake. (*b*) Mathematics of the Second Year Course. (*c*) French or German of the Second Year Course.

5. Two Prizes of $40.00 and $20.00, presented by H. Garth, Esq., will be open for competition to Students entering the Second Year, the subjects of Examination being:—

(*a*) Macaulay's History of England, Vol. I, cap. I; Shakespere's Tempest. (*b*) Mathematics of the First Year course.

6. The Mason Prize of $50.00 in Electrical Engineering given by Dr. A. F. Mason for original investigation in the practical application of Electricity.

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7. A Prize of $25.00, presented by E. B. Greenshields, B.A., for the best Summer Essay on a subject connected with Mining or Practical Chemistry.

8. A Prize of $25.00, presented by P. A. Peterson, M.Inst.C.E., for the best Summer Essay on a subject connected with Civil Engineering.

9. A Prize of $25.00, presented by H. Wallis, M.Inst.C.E., for the best Summer Essay on a subject connected with Mechanical Engineering.

10. A Prize of $25.00, presented by T. W. Ness, Esq., for the best Report on electrical work done during the summer by an Electrical Engineering student of the Third Year.

11. Two Prizes, each of $10.00, presented by R. Gardner, Esq., to Students entering the Third Year, for proficiency in Levelling or Transit Work.

12. A Prize of $20.00, from the British Association Medal Fund, to Students entering the Second Year, the subjects of examination being:—(*a*)—Inorganic Chemistry; (*b*)—Elements of Organic Chemistry; (*c*)—Practical Chemistry.

13. A Prize of $20.00 presented by Jos. Rielle, Esq., to students entering the Fourth Year, for practical work in Surveying and Field Astronomy.

14. Two Prizes of $25.00 and $15.00, presented by H. Garth, Esq., and two of $20.00 and $10.00, presented by R. Gardner, Esq., will be awarded to the candidates taking the highest standing in the September matriculation examinations, as determined by the results in English, Mathematics, and French or German; open to all Students entering the First Year.

15. Prizes or certificates of merit are given to such Students as take the highest place in the Sessional and Degree Examinations.

16. Honours.—On graduation, Honours will be awarded for advanced work in Professional subjects.

17. By the will of the late Dr. T. Sterry Hunt, F.R.S., an endowment has been provided for Scholarships in Practical Chemistry which it is hoped will be available before the close of next session.

18. Science Scholarships granted by Her Majesty's Commission for the Exhibition of 1851.—These Scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable Students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1893 was placed by the Commission at the disposal of McGill University, and another may be granted in 1895.

It is open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

19. Workshop Prizes.—(*a*) A prize of $20.00, presented by C. J. Fleet, B.A., B.C.L., for bench and lathe work in the wood-working department, open to Students of not more than two terms standing in workshop practice. (*b*) Other prizes to be announced during the session.

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## § X. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees (§ VIII).

2. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

3. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they have previously attended as Students in Arts.

4. Students who have failed in a subject in the Christmas or Sessional Examinations, and who desire to regain their standing, are required to make a written application to the Dean of the Faculty for a supplemental examination. Unless such supplemental examination is passed, Students will not be allowed to proceed to any subsequent examination in the subject.

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5. Students may be required to answer satisfactorily a weekly paper on such subjects of the course as shall be determined by the Faculty.

6. Students who fail to obtain their Session, and who, in consequence, repeat a Year, will not be exempted from examination in any of those subjects in which they may have previously passed, except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

7. A Student may obtain a certificate of standing on payment of a fee of $2.00.

8. Certificates may be given to Students who have passed through any of the special courses attached to the curriculum.

9. The headquarters of the Canadian Society of Civil Engineers is at present located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings and acquire knowledge of the utmost importance in relation to the practical part of the profession.

10. Caps and gowns, also the overalls for the workshops, may be obtained from the janitor of the Engineering Building.

## § XI. COURSES OF LECTURES.

### 1. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor :—HENRY T. BOVEY, M.A., D. C. L., M. INST.C.E., F. R. S. C. (Scott Professor of Civil Engineering and Applied Mechanics).

THEORY OF STRUCTURES. (For Laboratory Work, see § XII.)

The lectures on this subject embrace :—

(*a*) The analytical and graphical determination of the stresses in the several members of framed structures, both simple and complex, as, *e.g.*, cranes, roof and bridge trusses, piers, etc.

(*b*) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(*c*) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy and entropy, together with a discussion of the nature and effect of the different kinds of stress and the resistance offered by a material to deformation and to blows.

(*d*) The design and proper proportioning of beams, pillars, shafts, roofs, bridge piers and trusses, arches, masonry dams, foundations, earth works and retaining walls.

TEXT BOOK.—Bovey's Theory of Structures and Strength of Materials.

HYDRAULICS. (For Laboratory Work, see § XII.)

The lectures deal with this subject both theoretically and with reference to it practical applications.

The Student is instructed in the fundamental laws governing the equilibrium of fluids, and in the laws of flow through orifices, mouthpieces, submerged (partially or wholly) openings, over weirs, through pipes in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power and efficiency of the several hydraulic motors, as, *e.g.*, Reaction Wheels, Pressure Engines, Vertical Water Wheels, Turbines, Pumps, etc.

TEXT BOOK.—Merriman's Hydraulics.

## 2. SURVEYING AND GEODESY.

Professor:—C. H. MCLEOD, MA.E., M.CAN.SOC.C.E., F.R.S C.

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in Field Engineering, Practical Astronomy, and in the simpler operations of Geodetic Engineering. The instruction is given by lectures and by practice in the field, drawing room, laboratory and observatory. The course of lectures is as follows:—

SECOND YEAR.—Chain and angular surveying. The construction, adjustment and use of the various instruments. Contour surveying. Underground surveying. Topography. Ranging curves. Levelling and setting out work.

THIRD YEAR.—Railway locations. Geodetic levelling. Indirect and Barometric levelling. Hydrographic surveying. Introduction to Practical Astronomy.

FOURTH YEAR.—Geodesy. Practical Astronomy.

Each Student in this course is required to take part in the following:—

1. A chain survey. 2. A contour survey based on 1. 3. Compass surveys with and without local attraction. 4. A plane-table survey. 5. The preliminary surveys and location of a line of road, the work being afterwards set out for construction. 6. The hydrographic survey of a channel in the St. Lawrence River. 7. A triangulation survey from one base, checking on a second base. 8. The precise measurement of two base lines. 9. Differences of level by spirit level, triangulation and barometer. 10. Determinations of latitude by the zenith telescope and prime meridian methods. 11. Determination of the meridian. 12. Determinations of time by a portable astronomical transit, by sextant, and by the solar attachment. 13. Determination of longitude by the telegraphic method

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and by moon culminations. 14. Exercises on the comparison of clocks and chronometers. 15. Practice in the use of field magnetic instruments.

Students engaged in these surveys are expected to keep complete notes, and from them to prepare all plans and sections required. The necessary instruction in topography and mapping is given in the drawing room.

The large drawing rooms are fitted up with suitable mountings for the various instruments, in order to permit of their use and investigation during the winter months. The equipment of surveying aud geodetic instruments includes :—

Six transits and transit theodolites. Seven levels. Four sextants. Two plane tables. Three surveyor's and three prismatic compasses. Three current-meters. A 300 foot steel tape arranged for basework. An Altazimuth. A Precision Level. A Zenith Telescope. Astronomical Transits. Break-circuit Chronometer. Chronographs. Heliotropes. Hand levels, chains, rods, tapes, barometers, pedometers, and other minor instruments.

The instruction in the Observatory and Geodetic Laboratory (see § XII.) will be given in the Fourth Year.

Examinations for Land Surveyors :—Any graduate in the Faculty of Applied Science in the Department of Civil Engineering and Land Surveying may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Special provisions will be made for Students who desire to pass the Examination for Dominion Topographical Surveyor.

TEXT-BOOKS : Gillespie's Surveying, Johnson's Theory and Practice of Surveying, Shortland's Nautical Surveying, Green's Practical and Spherical Astronomy, Nautical Almanac.

### 3. DESCRIPTIVE GEOMETRY.

Lecturer :—C. H. MCLEOD, MA.E., F.R.S.C.

FIRST YEAR. —Geometrical drawing, orthographic projections, including penetrations, developments, sections, etc. Isometric projection.

SECOND YEAR.—Problems on straight line and plane. Projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Axometric projections. Shades and shadows. Mathematical perspective and the perspective of shades and shadows.

THIRD YEAR.—Graphical determination of spherical triangles. Spherical projections. Construction of maps.

### 4. FREEHAND AND MODEL DRAWING.

Instructor :—

This course is designed to give Students facility in observation and in sketching objects, both from the flat and from the round. Special instruction is given n sketching parts of machinery, structural work, etc.

## 5. ELECTRICAL ENGINEERING.

Professor:—C. A. CARUS-WILSON, M.A., M.Inst. E.E., A.M.Inst.C.E. (McDonald Professor of Electrical Engineering).

The object of this course is to introduce the Student to the principles underlying the practice of Electrical Engineering. Very little time is devoted to the consideration of strictly technical details, which the Student can far better study in the factory, where he is strongly recommended to go after his college course. The methods and the instruments used are, in almost every case, those that the Student will have eventually to use in practice. The object of the lectures is not to go over ground already covered by the text-books, except in cases where the subjects are not clearly put, but rather to direct the reading of the Students and to discuss problems arising out of the laboratory work.

The work in the Electrical Engineering laboratories is not commenced until the second term of the Third Year. By that time the Students will have gained a fair general acquaintance with Electricity in the Physical laboratory (see §XII). They will then begin a series of experiments on Electricity and Magnetism on a practical scale, using methods and instruments in ordinary practical use, still, however, confining their attention to the principles and not to their application. Thus the principle of the magnetic circuit will be studied in many different ways, but with apparatus put together for each special experiment. This term's work is preparatory to that of the Fourth Year, when the students will, in the Dynamo Room, study the practical application of these principles.

Here they will make experiments on electrical machinery of all kinds; series shunt and compound dynamos, motors, motor-generators, alternators, &c. They will be able to carry out tests of dynamos, transformers and motors under practical working conditions, not only on the apparatus in the dynamo room but also throughout the building, where there are several motors driving lathes, fans, &c., besides an electric elevator and an electric drill. In addition to these advantages they will have the opportunity of seeing a typical lighting station of twelve hundred lights at work, and may become familiar with the best practice and design on engines, dynamos, switchboard, wiring, &c.

## 6. MECHANICAL ENGINEERING.

Professor:—J. T. NICOLSON, B.Sc., M.Can.Soc.C.E., M.AM.SOC.M.E, (Workman Professor of Mechanical Engineering).

### KINEMATICS OF MACHINERY.

Definition of a machine. Pairs. Kinematic chains. Triangles of velocity. Slider crank chain and its derivatives. Direct acting engine. Oscillating engine. Quick return motions. Curves of piston position and velocity. Error due to obliquity. Angular velocities. Curves of velocity in slider crank chain. Lever crank chain and its derivatives. Drag Links. Antiparallel mechanism. Loci

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of points on moving links. Parallel motion. Peaucellier's link work. Double slider crank chain and its derivatives. Swinging cross block. Oldham's coupling. Elliptic chuck. Expansion of elements. Eccentrics. Instantaneous centre. Centrodes. Tension and Pressure Elements. Pulleys. Wheel and Axle. Differential Pulley. Belts. Rolling contact. Toothed gearing.

### Dynamics of Machinery.

Dynamics of the steam engine. Curves of crank effort for single, double and triple cranks. Mean crank effort. Fluctuation of energy. Fluctuation of speed. Flywheels. Governors treated graphically; discussing stability, astatism, sluggishness and energy. Acceleration of reciprocating parts and cushioning in engines. Angular acceleration of connecting rods in high speed engines. Oscillating engine. Balancing of double and single acting engines. Dynamics of belt and rope drives, of machine tools, of the locomotive and of the indicator. Examination of indicators and dynamometers.

Friction. Laws based on recent experiments. Journal and pivot frictions. Friction in kinematic chains treated graphically.

### Machine Design.

Strength of riveted joints, bolts, nuts, keys and cotters. Proportions of journals, pivots and shafting. Design of belt, rope and chain gearing. Strength and proportions of engines and boilers. Valve diagrams. Design of machine tools.

## 7. MINING AND METALLURGY.

Lecturer:—W. A. Carlyle, Ma.E.

The lectures on Mining are given during the Third Year, and among the subjects taken up the following may be mentioned:—Blasting and the nature and use of different Explosives, Quarrying, Hydraulic Mining, Boring; the Sinking, Timbering and Tubbing of Shafts; Driving and Timbering of Levels, Underground Conveyance and Hoisting, Drainage and Pumping, Lighting and Ventilation of Mines, special methods of Exploitation employed in the working of Metalliferous Deposits or of Coal Seams, etc.

Ore-dressing and Underground Surveying will also receive special attention. As yet there is no special mining laboratory in which practical operations in ore-dressing, etc., can be carried on, but it is hoped that this deficiency will be supplied in the near future.

In the Fourth Year a course of lectures on Metallurgy is given. The general properties of the metals and the nature of fuels, fire-clays, etc., are first discussed, and afterwards the more important metals and the methods of obtaining them from their ores by wet or dry process taken up in detail.

Students of the Fourth Year also devote considerable attention to the designing of mining machinery, furnaces, etc.

## 8. CHEMISTRY AND ASSAYING.

Professor:—B. J. HARRINGTON, B.A., PH.D Greenshields Professor of Chemistry and Mineralogy).

Sessional Lecturer:—NEVIL NORTON EVANS, M.A.Sc.

Assistant:—HOWARD T. BARNES, B.A.Sc.

This course includes lectures and laboratory work. In the First Year, Students of all the Departments attend a course of lectures on the laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important Elements and their Compounds, etc. They also devote one afternoon a week during the first term and two afternoons a week during the second term to practical work in the Laboratory, where they learn the construction and use of ordinary apparatus, perform a series of experiments designed to cultivate the powers of observation and deduction, and begin Qualitative Analysis.

In the Second and Third Years, Students in the Department of Practical Chemistry attend lectures on the Chemistry of the metals or on Organic Chemistry, and receive instruction in Qualitative and Quantitative Analysis, including gravimetric and volumetric methods and the application of electrolytic methods to the estimation of copper, nickel, etc. Blowpipe Analysis and Determinative Mineralogy also constitute part of the work of the Third Year.

In the Fourth Year, special attention is devoted to such subjects as Mineral Analysis and Assaying, and the Analysis of Iron and Steel; but considerable latitude is allowed to Students in the choice of subjects, and organic work may, if desired, be taken up.

Students of the Mining Course take Qualitative and Quantitative Analysis during the Second and Third Years, and devote considerable attention in the Fourth Year to Mineral Analysis and Assaying of various ores, fuels, etc. They also attend the class in Blowpipe Analysis and Determinative Mineralogy in the Third Year.

The chemical laboratories (see § XII) are open daily (Saturdays excepted) from 9 a.m. to 5 p.m.

## 9. THERMODYNAMICS.

Lecturer:—J. T. NICOLSON, B.Sc., M.CAN.SOC.C.E.

Fundamental laws and equations of thermodynamics. Application to perfect gases and to steam saturated and superheated. Efficiency of perfect heat engines. Efficiency of actual air, gas, petroleum, and steam engines.

A study of the steam engine, including wire-drawing, cylinder condensation and jacketing, and the most efficient and most economical point of cut-off. Sizes and proportions of cylinders in single, double and triple expansion engines to develop a given power. Expected indicator diagrams. Sizes and proportions of the principal types of steam generators. Comparison of practical suitability of steam and caloric engines. Theory of engine and boiler testing.

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## 10. GEOLOGY AND MINERALOGY.

Professor :—B. J. HARRINGTON, B.A., PH.D., F.G.S. (Professor of Mineralogy).

Professor :—FRANK D. ADAMS, M.A.SC., PH.D. (Logan Professor of Geology and Palæontology).

SECOND YEAR.—A preliminary Course in Zoology, with special reference to Fossil Animals.

THIRD YEAR—Mineralogy (Ordinary and Honour), Petrography, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

FOURTH YEAR.—Special studies in Mineralogy and Petrography ; Advanced Course in General Geology and Palæontology ; Geology of Canada ; Practical Geology and Field-work.

For further details see Announcement of the Faculty of Arts.

NOTE.—Students of the Mining and Chemistry courses take the Honour Mineralogy of the Third Year in Arts. Mining Students take the whole Honour course of the Fourth Year. Chemistry Students take, in addition to the ordinary course in Geology, the Honour Mineralogy of the Fourth Year.

## 11. BOTANY.

Professor :—D. P. PENHALLOW, B.SC., F.R.S.C.

*Course.*—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of Plants. Elements of Histology.

## 12. EXPERIMENTAL PHYSICS.

Professor :—JOHN COX, M.A. (McDonald Professor of Experimental Physics).

The instruction includes a fully illustrated course of Experimental Lectures on the general principles of Physics (embracing, in the Second Year—*The Laws of Energy—Heat and Light ;* in the Third Year—*Sound—Electricity and Magnetism),* accompanied by courses of practical work in the Laboratory in which the Students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements. Students of Electrical Engineering will be expected to continue their work in the Laboratory in the Fourth Year, when they will be prepared to undertake, under the guidance of the Professors, advanced measurements and special investigations bearing on their technical studies.

## 13. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M.A.

Lecturer :—R. S. LEA, M.A.Sc.

The work in this department is conducted from the outset with special reference to the needs of Students of Applied Science. Much time is given to practice in the use of Mathematical Tables, particular attention being paid to the solution of triangles, the tracing of curves, graphical representation of functions, reduction of observations, etc. Areas, volumes, masses, centres of gravity, moments of inertia, etc., are determined both by calculation and by observation or experiment, and each method is made to supplement or illustrate the other. In this connection use will be made, in actual laboratory practice, of a large amount of apparatus, such as balances, Atwood's Machine, inclined planes, chronographs, rotation apparatus of various kinds, etc. The different methods of approximation, the reduction of results of experiments and observations by least squares, etc., will also receive due attention.

The lectures will embrace the following subjects :—

FIRST YEAR.—Euclid, to the end of Book VI., with exercises on Loci, Transversals, etc. Algebra, including the Binomial Theorem. Elements of Solid Geometry and of Geometrical Conic Sections. Plane and Spherical Trigonometry. Elementary Kinematics and Dynamics.

SECOND YEAR.—Analytic Geometry. Differential and Integral Calculus. Dynamics of Solids and Fluids.

THIRD AND FOURTH YEARS.—Continuation of Analytic Geometry, Calculus and Dynamics

Classes will also be held for advanced (optional) work in these subjects and also in Practical and Spherical Astronomy.

*Text-Books* (Partial list) : Todhunter's or Mackay's Euclid, Hall and Knight's Elementary Algebra, Wilson's Solid Geometry and Conic Sections, Wentworth's Analytic Geometry, Chandler's Calculus, Blaikie's Dynamics, Wright's Mechanics, Bottomley's Mathematical Tables, Chambers' Mathematical Tables.

## 14. ENGLISH LANGUAGE AND LITERATURE.

Professor :—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature).

Lecturer :—PAUL T. LAFLEUR, M.A.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

THIRD YEAR.—A special course on English Composition

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### 15. FRENCH AND GERMAN.

*French Language and Literature.*

Professor :—P. J. DAREY, M.A., B.C.L , LL.D., Officier d'Académie.

*First Year.*—Darey, Principes de Grammaire Française. Lafontaine, Choix de fables. Molière, l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine, Esther. Ponsard, l'Honneur et l'Argent. Contanseau, Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French, Johnson's Rasselas. Dictation. Parsing. Colloquial exercises.

*German Language and Literature.*

Lecturer :—L. R. GREGOR, B.A.

*First Year.*—Vandersmissen and Fraser's German Grammar ; Joynes' German Reader ; Dictation ; Colloquial exercises.

*Second Year.*—Vandersmissen and Fraser's German Grammar ; Adler's Progressive German Reader (selections from Sections 3-5). Storm's Immensee ; Von Hillern, Höher als die Kirche ; Parsing ; Dictation ; Colloquial exercises.

*Third Year.*—Vandersmissen and Fraser's German Grammar. Lessing, Minna von Barnhelm ; Schiller, Siege of Antwerp ; History of German Literature prior to the 18th century ; German Composition ; Dictation.

### 16. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

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## § XII. LABORATORIES.

In the Laboratories the Student will be instructed in the art of conducting experiments, a sound knowledge of which is daily becoming of increasing importance in professional work.

1. LABORATORY OF MATHEMATICS AND DYNAMICS.—The Laboratory connected with the mathematical lecture-room is fully equipped with instruments for the measurement of distance (scales, micrometers), of area (planimeters), of volume (flasks, graduated vessels,

etc.), of time (clocks, chronographs), of mass (beam and spring balances); it is also provided with specific gravity balances, Atwood and Morin machines for experiments on the Laws of Motion, inclined planes, a variety of rotation apparatus (gyroscope, Maxwell's Dynamical Top, torsion balance, pendulums, etc.), air pumps, thermometers, barometers, etc.

2. CHEMICAL LABORATORIES.—The Chemical Laboratories are three in number,—one for Students of the First Year, one for Students of the Second and Third Years, in which it has been found necessary to carry on both qualitative and quantitative work, and one which is reserved for Students of the Fourth Year and for special Students who may wish to carry on original investigations. There is also a special room in the basement which is fitted up for fire assaying.

The Laboratories are supplied with four balances by Becker & Sons, one Bunge and a bullion-balance by Trœmner. There are also a Laurent polariscope, a spectroscope by Dubosque, gas combustion and melting furnaces, apparatus for ele trolytic work, etc., etc. Distilled water is obtained by means of a special boiler placed in the basement, which also supplies the steam for drying ovens, steam baths and drying chamber in the upper Laboratories.

3. PHYSICAL LABORATORY.—The McDonald Physical Laboratory contains five storeys, each of 8,000 square feet area. Besides a lecture theatre and its apparatus rooms, the Building includes an elementary laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced students in Heat and Electricity, a range of rooms for optical work and photography; separate rooms for private thesis work by students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special physical library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all the important instruments for exact measurement, by first class makers, for use in the laboratories for special work and research.

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4. Testing Laboratories.—The principal experiments carried out in these will relate to the elasticity and strength of materials, friction, the theory of structures, the accuracy of springs, gauges, dynamometers, etc., the efficiency of shafting, gearing, etc. The equipment includes a 100-ton Wicksteed and a 75-ton Emery machine for testing the tensile, compressive and transverse strength of materials. For the former, an addition has been specially designed, by means of which the transverse strength of timbers up to 25 feet in length can be determined. The Emery machine is constructed and graduated with such accuracy as to render possible delicate experiments on elasticity. The Laboratories are also provided with an autographic torsion machine for testing the torsional strength of materials, machines for determining the effect of repeated stresses, oil testers, strain extensometers, etc., and a very complete supply of gauges, micrometers, and other apparatus for exact measurements.

The importance of tests of the strength of mortars and cements is very great, and the equipment of the Laboratory for the purpose is on a complete plan, including three one-ton tensile testing machines, representing the best English and American practice, steaming apparatus, special weighing hopper, spring balances, gun metal moulds, etc. A line of shafting driven by an electric motor renders it possible to prepare the mixtures and place them in the moulds, mechanically, thus eliminating the personal error. The Laboratory is also fitted with copper-lined cisterns in which the briquettes may be submerged for any required time.

5. Thermodynamic Laboratory.—The Thermodynamic Laboratory is furnished with an experimental steam engine of 80 I.H.P., specially designed for the investigation of the behaviour of steam under all possible conditions; there are four cylinders, which can be connected so as to allow of single, compound, triple or quadruple expansion, condensing or non-condensing, with or without jackets. The measurements of heat are made by large tanks, which receive the condensing water and the condensed steam. There are two hydraulic absorption brakes for measuring the mechanical power developed, and an alternative friction brake for the same purpose. Besides this large steam engine, a high speed automatic cut-off by

Robb-Armstrong of Amherst, N.S., an Atkinson cycle and an Otto gas engine, a Stirling hot air engine by Woodbury Merrill of Ticonderoga, are provided and completely fitted for purposes of measurement and research. Many smaller instruments are provided or are in course of construction for illustrating the general principles of thermodynamics. Calorimeters, delicate thermometers and gauges, a mercury column, apparatus for repeating Regnault's experiments on steam, for investigating the properties of super-heated steam and other working fluids, draft gauges, pyrometers, fuel testers, indicators, planimeters and a Moscrop recorder.

A 40 horse power, two-stage air compressor of most modern make for a central station is under construction in the workshops of the College, and will, it is hoped, be added to the laboratory during next session.

Of the five boilers which supply steam, three are fitted for experimental purposes.

6. ELECTRICAL LABORATORIES.—These consist of

(1) *The Electrical Laboratory Proper*, where the standard instruments are kept and experiments made in the electrical course. The instruments comprise, amongst others, two of Lord Kelvin's electric balances, a Thomson galvanometer, four d'Arsonval galvanometers, two Siemens dynamometers, two Kelvin electrostatic voltmeters, a complete set of Weston ammeters and voltmeters, besides resistance coils, etc.

Current is supplied to all parts of the room from one of the lighting dynamos direct and from the accumulator room.

(2) *The Magnetic Laboratory*.—Here are set up a ballistic galvanometer, Ewing's curve tracer, and a variety of apparatus made in the College for magnetic tests of various kinds.

(3) *The Dynamo Room*.—The apparatus here consists of a 25 K W Edison dynamo, two 12 K W Edison dynamos, a 12 K W Mordey alternator made specially for this laboratory (the coils on the armature can be moved round through any angle and two or three currents of any phase difference obtained), a 7 K W Victoria dynamo, a 7 K W Fort Wayne dynamo, a 6 K W Thomson-Houston arc-light dynamo, a 15 K W Thomson-Houston incan-

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descent dynamo, and a 5 K W Brush arc light dynamo. All these are driven off magnetic clutch pulleys by an 80 horse power MacIntosh and Seymour engine. There are also here several different transformers, motors, arc lamps, etc., and a 3 K W motor-generator.

(4) *The Lighting Station.*—This comprises a 30 K W Edison-Hopkinson dynamo, and a 30 K W Siemens dynamo, each driven by a Willans high speed engine. The switch board is arranged so that the building—containing twelve hundred lights—can be lighted by the two dynamos in series, or, if the load is light, by one running on two wire system or by accumulators. The whole is in every respect typical of the best English and American practice.

(5) *The Accumulator Room.* — Containing Crompton-Howell storage cells of a united capacity of eight hundred ampere hours.

7. GEODETIC LABORATORY.—There is in this Laboratory a Rogers comparator for the investigation of standards of length, a Rogers angular dividing engine for the graduation and investigation of circles, a Munro-Rogers linear dividing engine, an astronomical clock and chronograph, a portable Bessel's reversible pendulum apparatus, a Whitworth end-measuring machine, level triers, etc. In connection with the Laboratory there is also a fifty foot comparator and standard of length, for standardizing steel bands, chains, tapes, rods, etc.

8. HYDRAULIC LABORATORY. Here the Student will study practically the flow of water through orifices of various forms and sizes, submerged openings, over weirs, through pipes, mouth-pieces, etc. The laboratory is supplied with several tanks for gauging and other purposes, the largest having a height of 30 feet and a sectional area of 25 square feet, also with a large number of delicate pressure gauges and other apparatus. The Students themselves carry out tests upon hydraulic motors, *e.g.*, upon the different turbines, pumps, the Pelton and other wheels, etc. The facilities for conducting such experiments are unusually great, as from the city water supply there is an available head of over 200 feet.

By means of specially designed apparatus, investigations are carried out as to the force with which water, issuing from orifices, pipes, nozzles, etc., impinges upon surfaces of various forms and sizes.

This Laboratory is also to be provided with a set of pumps specially designed for experimental work and research. They are to be adapted to work under all pressures up to 120 lbs. per sq. in., and at all speeds up to the highest found practicable. The set is composed of three vertical single acting plunger pumps of 7'' diam. x 18'' stroke, driven by one shaft. They are to have two interchangeable valve chests, and it is arranged that both the valves and their seats may be removed and replaced by others.

9. MECHANICAL LABORATORY.—In this Laboratory experiments will be carried out on the efficiency of belts, shafting, and machine tools. Governors of all types will be tested with the chronograph. Lubricants by journal friction testing machine. Sliding and rolling friction and the stiffness of ropes will also form subjects for experiment.

## § XIII. MUSEUMS.

The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application. Students will also have the use of a Technical Museum, occupying the whole of the third story of the McDonald Building. Amongst other apparatus the Museum contains the Reuleaux collection of kinematic models, presented by W. C. McDonald, Esq., and pronounced by Professor Reuleaux to be the finest and most complete collection in America.

## § XIV. WORKSHOPS.

The workshops erected on the Thomas Workman Endowment have a floor area of more than 25,000 sq. ft.

The practical instruction in the workshops is solely designed to give the Student some knowledge of the nature of the materials of construction, to familiarize him with the more important hand and machine tools, and to give him some manual skill in the use of the same. For this purpose, the Student, during a specified number

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of hours per week, will work in the shops under the direct superintendence of the Professor of Mechanical Engineering, aided by skilled mechanics. The courses commence with graded exercises and gradually lead up to the making of joints, members of structures, frames, etc., finally concluding in the iron-working department with the manufacture of tools, parts of machines, and, if possible, with the building of complete machines.

The equipment includes the following :—

In the Carpenter, Wood-Turning and Pattern-Making Departments.—Carpenters' and pattern-makers' benches, wood-lathes, a large pattern-maker's lathe, circular-saw benches, jig and band saws, buzz-planer, wood-borer, universal wook-worker, etc.

In the Machine Shop.—The most improved engine lathes, a 36-in. modern upright drill, with compound table, universal milling machine, with vertical milling attachment, hand lathes, planer, universal grinding machine, universal cutter and reamer grinder, a 16-in. patent shaper, vise-benches, etc.

In the Smith Shop.—Forges, hand drill, and a power hammer.

In the Foundry.—A cupola for melting iron, core oven, brass furnace, moulders' benches, etc.

The machinery in the shops is driven by a 50 I. H. P. compound engine and a 10 I. H. P. high speed engine.

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## ADDENDUM.

### Whitworth Scholarships.

Four Whitworth Scholarships and 30 Whitworth exhibitions of values ranging from £400 to £50 are open for competition to all British subjects every year in the month of May. Candidates must be under 26 years of age and have served three years in the Workshops of a Mechanical Engineer.

Particulars may be had on application to the Dean.

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## FACULTY OF APPLIED SCIENCE—TIME TABLE.

| Years | R. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| First Year. | 9 | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Shopwork. |
| | 10 | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Mathematics. | Do |
| | 11 | English. | French.<br>Drawing. | French.<br>German. | French.<br>German. | English. | Do |
| | 12 | Chemistry. | German.<br>Drawing. | English. | | Chemistry. | Do |
| | 2 to 5 | Geom. Drawing. | Geom. Drawing (*a*).<br>Pract. Chemistry (*b*). | Shopwork. | Freehand Drawing. | Pract. Chemistry. | |
| Second Year. | 9 | Mathematics. | Mathematics. | French. | Mathematics. | French. | Shopwork, 4. |
| | 10 | Physical<br>Laboratory. | German. | Mathematics. | Mechanism 2, 3.<br>Surveying, 1, 4.<br>Chemistry, 5. | German. | Do |
| | 11 | Do | Zoology, 1, 4 | Mathematics.<br>Botany, 5. | Zoology, 1, 4. | Mathematics. | Do |
| | 12 | Do<br>Botany, 5. | Experimental Physics. | Mechanism, 2, 3.<br>Surveying, 1, 4. | Experimental Physics. | English. | Do |
| | 2 to 5 | Mapping, 1.<br>*Chemistry, 4, 5.<br>Shopwork, 2, 3. | Surveying (1 hr.), 1, 4.<br>Desc. Geom., 1, 2, 3, 4, 5. | Shopwork, 1.<br>* Chemistry, 4, 5.<br>Mechl. Drawing, 2, 3. | Shopwork, 2, 3.<br>Mapping, 1, 4.<br>* Chemistry, 5. | Physical Laboratory,<br>1, 2, 3, 5. | |

* The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturdays excepted) from 9 a.m. to 5 p.m.
Field work during September and October, 2 to 5 p.m. For 2nd Year *Civil*, on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. For *Mining*, on Mondays, Tuesdays, Thursdays and Fridays. For 3rd Year *Civil* and *Mining*, on Mondays, Wednesdays, Thursdays and Fridays. For 4th year *Civil*, on Saturday mornings and two first clear evenings each week, 7 to 9.
(*a*) First Term. (*b*) Second Term.
1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

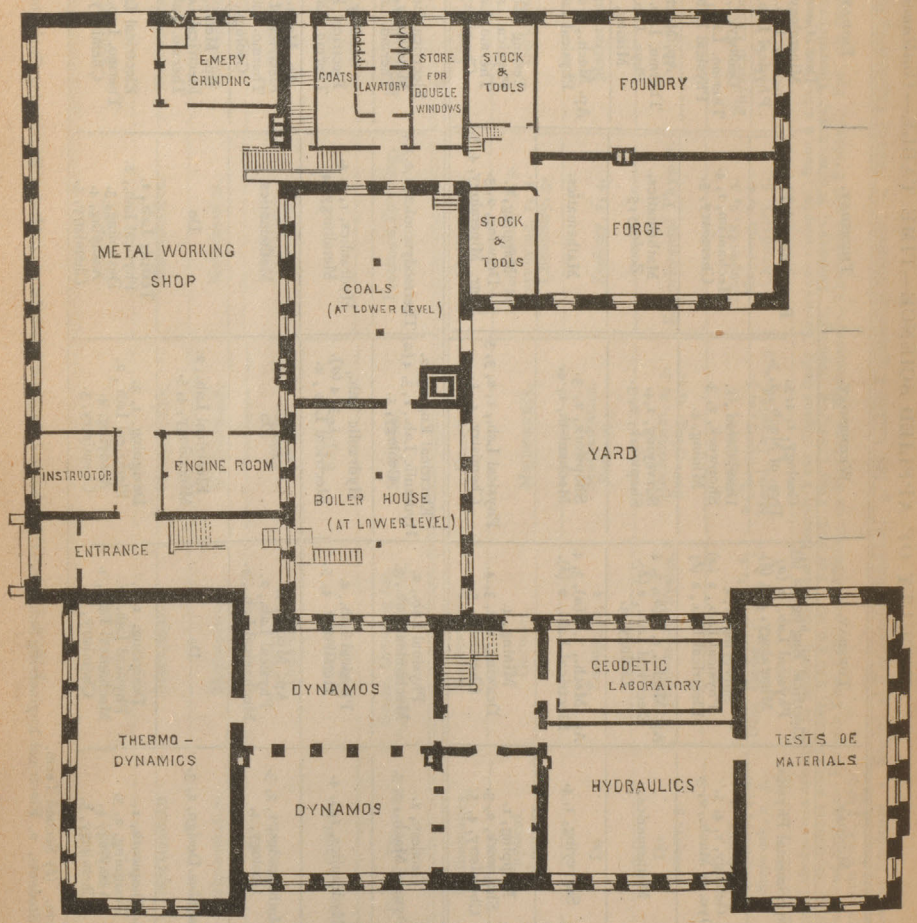
| Years | Hours. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|---|
| THIRD YEAR. | 9 | Experimental Physics. | Electrical Eng'ng., 2 (*b*)<br>Physical Lab., 2 (*a*)<br>Mineralogy, 4, 5 (*b*) | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Experimental Physics. | Desc. Geom., 1.<br>Mineralogy, 4, 5.<br>Thermo. Lab., 2 (*a*) 3.<br>Physical Lab., 2 (*b*). | Testing Lab., 1, 2 (*a*), 3.<br>Electrical Lab., 2 (*b*). |
| | 10 | Geology, 1, 4, 5.<br>Dyn. of Mach., 2, 3. | Surveying, 1, 4.<br>Physical Lab., 2 (*a*)<br>Electrical Lab., 2 (*b*) | Desc. Geom., 1.<br>Shopwork, 2, 3.<br>Mining, 4. | Mechanism, 1, 4.<br>Chemistry, 5. | Geology, 1, 4, 5. 3.<br>Thermo. Lab., 2 (*a*)<br>Physical Lab., 2 (*b*) | Do |
| | 11 | Mathematics. | Ap. Mech., 1, 2 (*a*), 3, 4.<br>Electrical Lab., 2 (*b*).<br>Zoology, 5. | Surveying, 1,4.<br>Shopwork, 2, 3. | Mathematics.<br>Zoology, 5. | Ap. Mech., 1.<br>Thermo. Lab., 2 (*a*) 3.<br>Phys. Lab., 2 (*b*).<br>Mining, 4. | Do |
| | 12 | Surveying, 1, 4. | Ap. Mech., 1, 2 (*a*), 3, 4.<br>Electrical Lab., 2 (*b*). | Shopwork, 2, 3.<br>Mechanism, 1, 4. | Mathematics. | Ap. Mech., 1, 2 (*a*), 3, 4<br>Physical Lab., 2 (*b*) | |
| | 2 to 5 | Mapping, 1.<br>Shopwork, 2, 3.<br>Chemistry, 4, 5. | Mining, 4.<br>Drawing, 1, 2, 3, 4.<br>Chemistry, 5. | Physical Lab., 1, 2, 3, 5.<br>Chemistry, 4, 5. | Mapping, 1.<br>Drawing, 2, 3.<br>Detr. Mineralogy, 4, 5. | Testing Lab., 1.<br>Physical Lab., 2, 4.<br>Thermo. Lab., 3.<br>Chemistry, 5. | |
| FOURTH YEAR. | 9 | Geodesy, 1.<br>Dyn. of Mach., 2, 3. | Physical Lab., 2.<br>Mechanical Lab., 3. | Electrical Eng'ng, 2.<br>Hydraulic Lab., 1, 3, 4 (*a*)<br>Geology, 5. | Thermodynamics, 1,2,3,4 | Electrical Eng'ng., 2.<br>Metallurgy, 4, 5.<br>Thermo. Lab.,3. | Geodetic Lab., 1.<br>Shopwork, 2, 3. |
| | 10 | Hydraulics, 1, 3, 4. | Physical Lab., 2.<br>Metallurgy. 4, 5. | Hydraulic Lab.,<br>1, 3, 4 (*a*).<br>Electrical Lab., 2. | Hydraulics, 1, 3, 4.<br>Metallurgy, 4 | Geodesy, 1.<br>Electrical Lab., 2.<br>Thermo. Lab., 3. | Do |
| | 11 | Mathematics, 1, 2, 3.<br>Geology, 4. | Ap. Mech., 1.<br>Physical Lab., 2.<br>Mechanical Lab., 3. | Do | Mathematics. | Ap. Mech., 1.<br>Electrical Lab., 2.<br>Thermo. Lab., 3.<br>Geology, 4. | Do |
| | 12 | Machine Design, 2, 3. | Do | Electrical Lab., 2.<br>Mineralogy, 4, 5. | Do | Ap. Mech., 1.<br>Electrical Lab., 2.<br>Thermo. Lab., 3. | Do |
| | 2 to 5 | Shopwork, 1.<br>Designing, 2, 3.<br>Assaying, 4.<br>Chemistry, 5. | Designing, 1, 4.<br>Physical Lab., 2.<br>Mechanical Lab., 3.<br>Chemistry, 5. | Designing, 1, 3.<br>Electrical Lab , 2.<br>Assaying, 4.<br>Chemistry, 5. | Testing Lab., 1.<br>Physical Lab., 2.<br>Designing, 3.<br>Assaying, 4.<br>Chemistry, 5. | Electrical Lab., 2.<br>Thermo. Lab., 1, 3.<br>Chemistry, 5. | |

(*a*) First Term. (*b*) Second Term.

1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

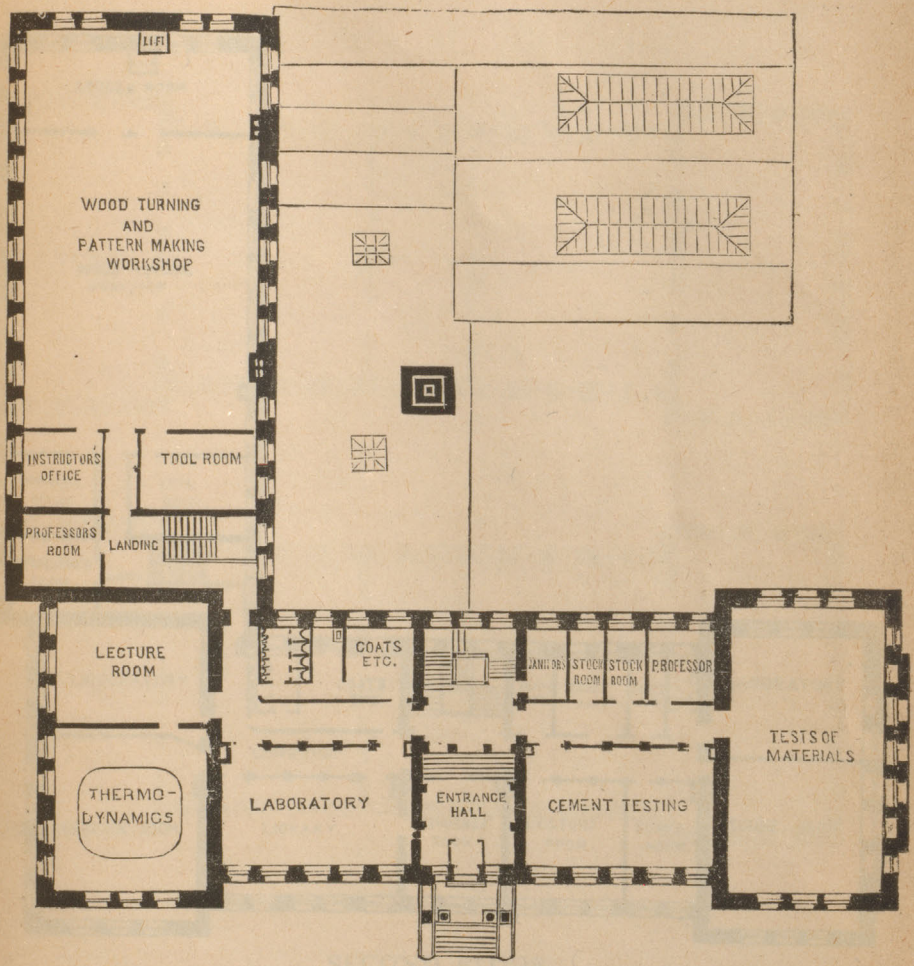
# PLANS OF THE APPLIED SCIENCE BUILDINGS.

*(Scale : one inch=about forty feet.)*



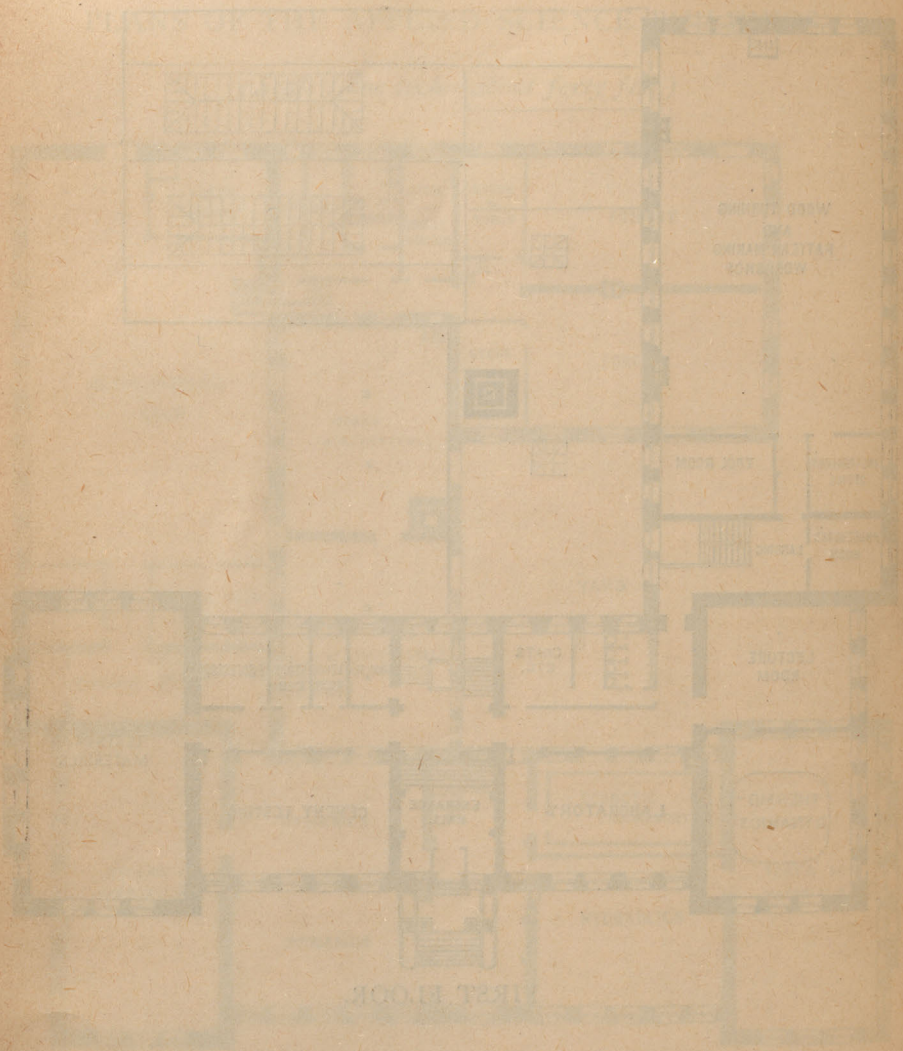

GROUND FLOOR.

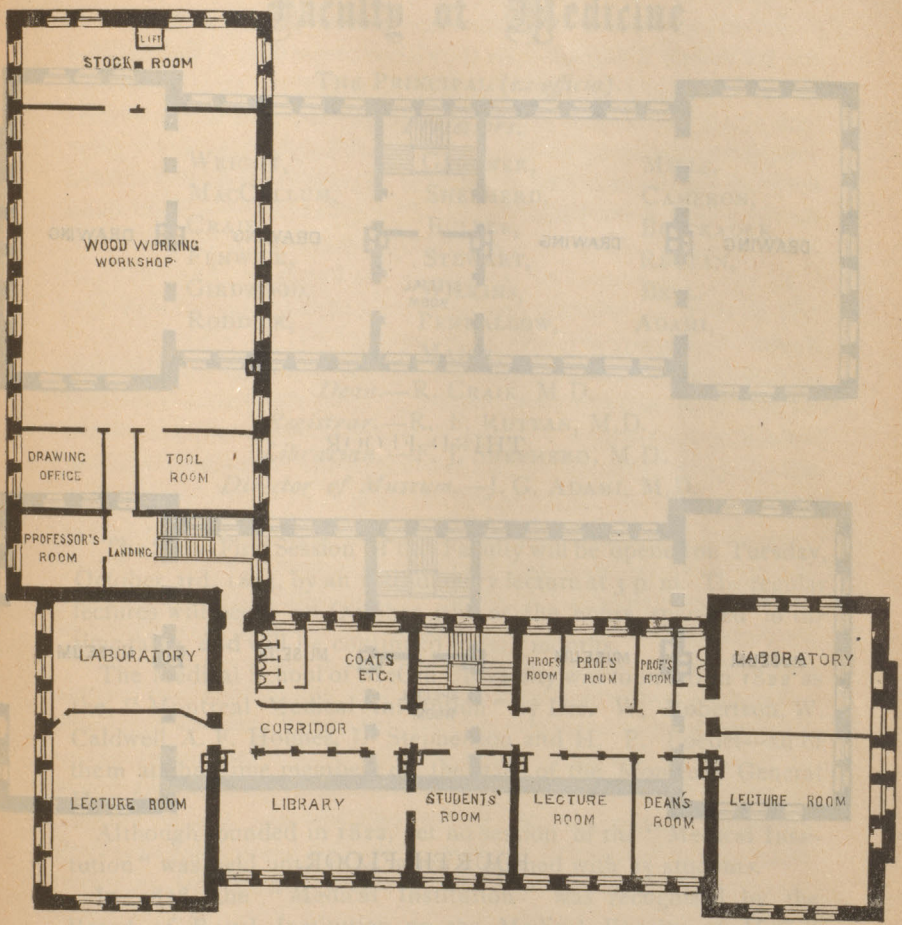
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LIFT
WOOD TURNING AND PATTERN MAKING WORKSHOP
INSTRUCTORS OFFICE
TOOL ROOM
PROFESSORS ROOM
LANDING
LECTURE ROOM
COATS ETC.
JANITOR
STOCK ROOM
STOCK ROOM
PROFESSOR
THERMO-DYNAMICS
LABORATORY
ENTRANCE HALL
CEMENT TESTING
TESTS OF MATERIALS

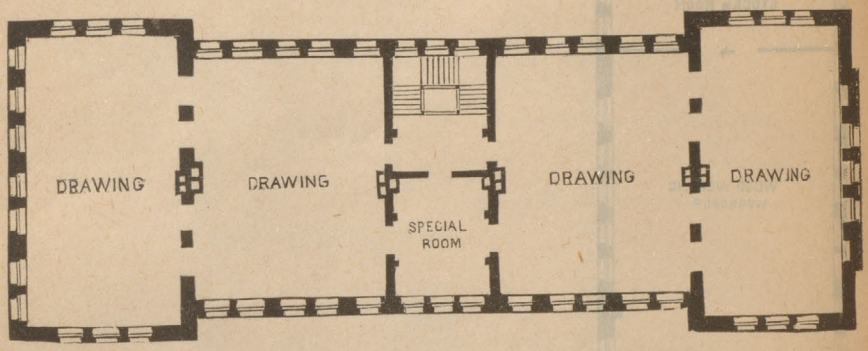
FIRST FLOOR.

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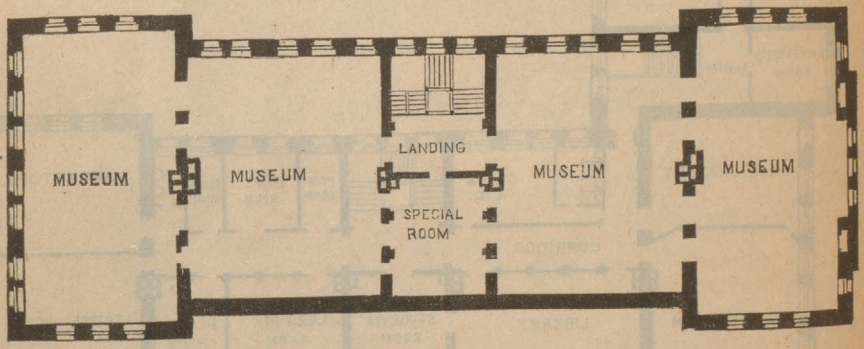





SECOND FLOOR.




THIRD FLOOR




FOURTH FLOOR.

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# Faculty of Medicine

THE PRINCIPAL (*ex-officio*).

*Professors.*

| | | |
|---|---|---|
| WRIGHT, | GARDNER, | MILLS, |
| MACCALLUM, | SHEPHERD, | CAMERON, |
| CRAIK, | BULLER, | BLACKADER, |
| FENWICK, | STEWART, | RUTTAN, |
| GIRDWOOD, | WILKINS, | BELL, |
| RODDICK, | PENHALLOW, | ADAMI, |
| | MAJOR. | |

*Dean.*—R. CRAIK, M.D.
*Registrar.*—R. F. RUTTAN, M.D.
*Librarian.*—F. J. SHEPHERD, M.D.
*Director of Museum.*—J. G. ADAMI, M.D.

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The Sixty-First Session of this Faculty will be opened on Tuesday, October 3rd, 1893, by an introductory lecture at 3 p. m. The regular lectures will begin on October 4th, at the hours specified in the time-table, and will be continued for six months.

The Medical School of McGill University was founded in 1822 as the "Montreal Medical Institution" by Drs. W. Robertson, W. Caldwell, A. F. Holmes, J. Stephenson and H. P. Loedel—all of them at that time members of the staff of the Montreal General Hospital.

Although founded in 1822, yet no session of the "Medical Institution" was held until 1824, when it opened with 25 students.

In 1828, the "Medical Institution" was recognised by the Board of Royal Institution as the Medical Faculty of McGill University. At this time the lectures were given in a building on the site of the present Bank of Montreal. Later, the school was removed to a brick building still standing near the corner of Craig and St. George streets.

In 1846, the lectures of the Faculty were given in the present

central building of the University, now occupied by the Faculty of Arts. Students could reside in the College, board and lodging being charged at the rate of £3 5s. ($13) a month.

On account of the inconvenience arising from the distance of the University Buildings from the centre of the city, it was decided in 1850 to erect a Medical school building in Cotté street, provided with ample accommodation for Library and Museum, and furnished with a large dissecting-room and two lecture rooms; this building was occupied for the first time during the session 1851-2, and sufficed for the wants of the Faculty until 1872-73, when the present main building was provided for it by the Governors of the University.

In 1824, the number of students in the Faculty was 25; in 1844, 50; in 1851, 64, with 15 graduates; in 1872-3, 154, with 35 graduates; in 1892-3, 315, with 46 graduates.

There were no sessions held during the political troubles from 1836 to 1839, and it is owing to this gap that the present is the 61st session of the Faculty. This is in reality the 65th session of the school, which is the direct continuation of the "Montreal Medical Institution."

In 1885, the building in the University grounds, erected by the Governors for the use of this Faculty, was found inadequate. A new building was then added, which, at the time, afforded ample facilities for carrying out the great aim of the Faculty,—that of making the teaching of the primary branches thoroughly practical.

The laboratories and lecture rooms, then added, have now become filled, and so great have been the advances in medicine and in methods of laboratory teaching, that it has been necessary again to increase the number and size of the laboratories. Owing to the timely generosity of Mr. John H. R. Molson, who has already done so much for the University, the Faculty are able to announce that their present facilities for teaching will, during the coming year, be almost doubled.

The new buildings will be erected as an extension of the old ones, towards the northwest, partially facing Carlton road, and convenient to the Royal Victoria Hospital. They will comprise a pathological wing, consisting of several special laboratories, and rooms for private research; a large modern lecture room, capable of accommodatin

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450 students, with adjoining preparation rooms and new suites of laboratories for Physiology, Histology, Pharmacology and Sanitary Science. The laboratories, etc., in the older buildings, will be greatly enlarged and improved; the whole of the first floor will be devoted to the anatomical department, and will be divided into a dissecting-room, bone-room, preparation rooms, Professors' and Demonstrators' rooms, etc.

On the ground floor the Library and Museum will be greatly enlarged: a room adjoining the Library will be set apart as a reading-room for the use of students, and the present chemical laboratories will be increased by including the rooms now used by the department of Physiology.

The Faculty is glad to be able to announce that, by the liberality of the Honble Sir Donald A. Smith in endowing the chairs of Pathology and Sanitary Science with one hundred thousand dollars, it is able to establish these departments on a footing fully commensurate with their importance and with the advances and requirements of modern medical science.

## § I. MATRICULATION.

Intending Students who purpose practising Medicine in Canada, are requested to observe that by the Regulations in force in the various Provinces of the Dominion they are required to pass the Matriculation examination accepted by the several Registering Boards of these provinces before beginning their course of study.

Students holding the degree of Bachelor of Arts are exempted from examination for matriculation, but must present their diplomas and be registered before beginning their studies.

The Preliminary Examination in General Education of the following Bodies is accepted by this University in lieu of its own Matriculation Examination :—

1. The College of Physicians and Surgeons, Ontario.
2. The College of Physicians and Surgeons, Quebec.
3. The New Brunswick Medical Board.
4. The Nova Scotia Medical Board.
5. The Manitoba Medical College.
6. Students who have passed the matriculation examination of recognized Universities.

Students not having any of the above qualifications for entrance are required to pass one or other of the following examinations :—

1. The June Matriculations in Arts of this University, commencing June 1, 1893.

Papers for the June examination can be sent to local centres on application to the Secretary of the University. The September examinations are held in Montreal only.

The subjects for examination are Classics, Mathematics and English.

*Greek*.—Xenophon, Anabasis, Book I. ; Greek Grammar.

*Latin*.—Cæsar, Bell. Gall., Book I., and Virgil, Æneid, Book I., lines 1-300 ; Latin Grammar.

*Mathematics*.—Arithmetic, including the Metric System ; Algebra, to Simple Equations (inclusive), Euclid's Elements, Books I., II., III. (In June, 1893, to Quadratics inclusive.)

*English*.—Writing from Dictation. A paper on English Grammar, *including* Analysis. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

2. The September Examination in Arts of the University, held in McGill College only, on Sept. 15th, 1893, and following days, and including the same subjects above stated, except tnat alternative books in the classical subjects will be accepted.

3. The special Examination for entrance into the Faculty of Medicine, which is the same as that required by the Medical Council of Great Britain.

[After March, 1894, this special examination will be discontinued. The matriculation examination for this Faculty will after that date be the junior matriculation in Arts as prescribed above, omitting Greek as a compulsory subject and substituting for it one of the following optional subjects : (*a*) Greek as now prescribed, (*b*) Elementary Chemistry and Physics, (*c*) French, (*d*) German.]

This Examination will be held on the last Friday and Saturday in March, and the third Friday and Saturday in September of each year. Application may be made to Dr. Howe, the examiner, till the evening of the previous day. The requirements of the standard for Matriculation are :—(1) English Language, ncluding Grammar and Composition. (2) English History. (3) Modern Geography. (4) Latin, including Translation from the original, and Grammar. (5) Elements of Mathematics, comprising : (*a*) Arithmetic, including Vulgar and Decimal Fractions ; (*b*) Algebra, including simple Equations ; (*c*) Geometry,

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including the first three books of Euclid or the subjects thereof. (6) Elementary Mechanics of Solids and Fluids, comprising the elements of Statics, Dynamics and Hydrostatics. (7) One of the following optional subjects :—(*a*) Greek, (*b*) French, (*c*) German, (*d*) Logic, (*e*) Botany, (*f*) Elementary Chemistry.

TEXT-BOOKS.—Latin, Cicero, in Catilinam I.; or Virgil, Æneid, Bk. I.; or Cæsar, Bell. Brit.

GREEK.—Xenophon, Anabasis, Bk. I., or Homer's Iliad, Bk. IV.

FRENCH.—Voltaire's Charles XII., I and II Books.

NATURAL PHILOSOPHY.—Ganot's Physics, Books I, II and III.

BOTANY.—Gray's "How Plants Grow."

ELEMENTARY CHEMISTRY.—Storer and Elliot's Manual.

## § II. ENREGISTRATION.

*The following are the University Regulations :—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enroll their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October in each year. Fees are payable to the Registrar, and must be paid in advance at the time of enregistration.

## § III. COURSES OF LECTURES.

### ANATOMY.

PROFESSOR, FRANCIS J. SHEPHERD.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of Demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory, a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

## CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

ASSISTANT PROFESSOR, R. F. RUTTAN.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to the members of the class, to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

## PRACTICAL CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

ASSISTANT PROFESSOR, R. F. RUTTAN.

The course in Practical Chemistry includes two hours' laboratory work three times a week for three months. The Students are instructed individually in chemical manipulations, blow-pipe analysis, and qualitative determination of the salts, acids, etc., they will require to use in practice. They are required before finishing their course to be familiar with the principles of practical Forensic and Sanitary Chemistry. Special attention is directed to instructing the Student in making accurate notes of his experiments and his conclusions. These notes are examined daily, and criticized.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology: its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the student.

*Laboratory work for Senior Students :—*

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room and such as require the use of elaborate methods, apparatus, etc. There will be no extra fee for this part of the course.

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## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, A. D. BLACKADER.

The course on this subject comprises :—

I. A description of the Pharmacology and Therapeutics of the more important medicinal agents.

II. The delivery of a weekly lecture ("Clinical Therapeutics") in the theatre of the General Hospital, on some case or groups of cases well adapted for illustrating important points in both general and special Therapeutics. The material for these lectures is abundant, being obtained from both the wards and the out-door clinics.

III. The attendance during the summer session of a course on Practical Materia Medica.

## MEDICINE.

PROFESSOR, JAMES STEWART.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general laws* of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

## CLINICAL MEDICINE.

PROFESSOR, JAMES STEWART.

Bedside instruction is given in the Medical Wards of the Montreal General and Royal Victoria Hospitals on three days of every week with 3rd year Students,

and three days with those of the 4th year. Accurate reports of all cases are kept by duly appointed clinical clerks, and are systematically read before the class. Instruction is given at the bedside, and every pupil is required to take part in the physical examination of patients. The mode of conducting investigations, the use of the microscope, the value of the thermometer and ophthalmoscope, etc., in medical diagnosis are all explained and illustrated. Senior Students are called upon in rotation to examine new cases before the class, and to be examined thereon as to their general knowledge. In addition, one weekly Clinical Lecture is delivered, bearing upon some case or cases of importance which may happen to be under observation at the time. Special attention is directed to Medical Anatomy, and candidates for the degree will be examined thereon.

## SURGERY.

PROFESSOR, THOMAS G. RODDICK.

ASSISTANT PROFESSOR, JAMES BELL.

The first part of this course consists of Surgical Pathology, illustrated by a large collection of preparations from the College Museum, also specimens as they are obtained from cases under observation at the Hospital, and contributed to that collection by the Hospital pathologist and from private sources. The second part of the course is devoted to the practice of Surgery, in which attention is drawn to cases which have been observed by the class during the previo is summer session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form a special department of this course, and Quain's and Maclise's plates are used in illustration.

## CLINICAL SURGERY.

PROFESSOR RODDICK.

ASSISTANT PROFESSOR, JAMES BELL.

This course is eminently practical, consisting of bedside instruction and lectures delivered weekly, illustrative of surgical cases actually present in the wards of the General Hospital. The class is separated into junior and senior divisions, which are taken charge of by the Professor on alternate days, when the reports of the Clinical clerks are read and criticized, and fresh cases are examined by the Senior Students. The surgical dressings are, as much as possible, reserved for these occasions, so as to give all present an opportunity of participating in the application of splints to fractures, dressing of wounds, minor operations, etc Major operations are performed in the theatre attached to the Hospital, which is so constructed that the most distant can obtain a fair view of the operations. All the recently invented appliances for the treatment of surgical disease have been introduced into the Hospital.

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## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

The course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc. 2. Bedside instruction in the Montreal Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4 The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

Particular attention is given to clinical instruction, and a clinical examination in Midwifery, similar to that held in Medicine and Surgery, now forms part of the final examination.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

The course on this subject will comprise two lectures a week throughout the session. The anatomy and physiology of the parts concerned will be first discussed. Then the various methods of examination will be fully described, the necessary instruments exhibited, and their uses explained. After this, the diseases peculiar to the sex will be considered as fully as time will permit, in the following order:—Disorders of Menstruation; Leucorrhœa, its causes and treatment; Pelvic Cellulitis and Peritonitis; Lacerations of the Cervix Uteri and Perineum; Urinary and Fæcal Fistulæ; Inflammations of the Uterus; Displacements of the Uterus; Tumors of the Uterus; Diseases of the Ovaries.

The lectures will be illustrated as fully as possible by drawings and morbid specimens. The Gynæcological Clinic of the General Hospital furnishes the Professor with ample material to illustrate the subjects considered in the didactic lectures.

Particular attention is given to clinical instruction, and a clinical examination in Gynæcology, similar to that held in Medicine and Surgery, now forms part of the final examination.

## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for showing the

reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning, and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class.

## OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, FRANK BULLER.

Will include a course of lectures on diseases of the Eye and the Ear, both didactic and clinical. In the former, the general principles of diagnosis and treatment will be dealt with, including three lectures on the errors of refraction and faults of accommodation; in the clinical lectures given in the hospital, cases illustrative of the typical form of ordinary diseases of the eye and ear will be exhibited and explained to the class. In the out-patient department of the hospital Students have excellent opportunities of gaining clinical experience.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

Comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and Drink; Physical Exercise and Bathing; discussion of the respective merits of the various forms of each, precautions, contra-indications, etc., Village Sanitary Associations; Mutual Protective Sanitary Association for cities.*

## BOTANY.†

PROFESSOR, D. P. PENHALLOW.

The purpose of this course is to give Students a good grounding in the principles of General Morphology, and advance their knowledge of the comparative physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation.

It comprises:—

*Students may attend the Lectures on Sanitation in the Faculty of Applied Science,—Fee $6.

† Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year either Botany or Zoology, subject, however, to the provisions of the law in the Province in which they intend to practise medicine. Students desirous to take both subjects in one year apply to the Faculty for permission.

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1. A course of lectures on general Morphology and Classification, Histology and Physiology. The lectures are illustrated by means of the microscope and by the models and large collections in the Peter Redpath Museum.

2. Practical work in the determination and classification of Species, for which the Botanic Gardens of the University offer special facilities.

3. Studies in Canadian Botany. This work is prosecuted by means of field excursions, which are held as often as opportunity is afforded during the autumn months.

4. A special collection of Medicinal plants, now being formed at the Botanic Gardens, offers a valuable preparation to the course in Pharmacology.

## PATHOLOGY.

PROFESSOR, J. G. ADAMI.

The following courses constitute the teaching in this subject :—

### A. *Obligatory.*

1. A course of General Pathology for Students of the Third Year (optional for those of the Fourth). This course extends from October to March, lectures being delivered thrice weekly.

2. A course of Demonstrations upon the autopsies of the week, with instruction in the performance of autopsies. These demonstrations are held once a week, from October until July. For Students of the Third Year (optional for those of the Fourth).

3. The performance of autopsies. Each student is required to take an active part in at least six autopsies. The autopsies are conducted at the General and Royal Victoria Hospitals by the Pathologist* to these Hospitals and his assistants. In addition to the actual performance of the *sectio cadaveris*, students are expected to attend the practical instruction given in connection with each autopsy, in the method of preparation and microscopic examination of the removed tissues, so as to become proficient in methods of preparation, staining and mounting.

### B. *Optional.*

4. A practical course in Morbid Histology for Students of the Third Year. This class is held once a week during the winter months. Six sections are as a rule distributed at each meeting of the class, so that each student obtains a large and representative series of morbid tissues, and upon an average twenty minutes are devoted to the description and examination of each specimen. Fee $4.

5. A course of demonstrations upon Morbid Anatomy (Museum specimens) once weekly during the winter months, for students of the Fourth Year. Free.

6 A course of Bacteriology, with demonstrations, held thrice weekly during the Summer Term. For Students of the final year.

* The Professor of Pathology at the present time occupies this post at both Hospitals.

7. A practical course of clinical microscopy, held thrice weekly during the summer session For Students of the final year.

This course, in addition to instruction in the microscopical study of the fluids of the body, excreta, etc , in diseased conditions, includes instruction in the stains and detection of the commoner pathogenic bacteria. Fee $2.

8. A practical course of Bacteriology for advanced students. Fee $10.

In addition to the above, lectures upon Special Pathology are given by the Professor of Pathology in connection with the courses in Medicine and Surgery.

### ZOOLOGY.†

LECTURER, W. E. DEEKS, B.A., M.D.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee. Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins. It is intended especially for teaching the *technique* of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain and mount specimens. Everything except over-glasses and cabinet cases provided. Fee $8.

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## § IV. QUALIFICATIONS FOR THE DEGREE.

The following are Extracts from the Regulations respecting the qualifications of Candidates for the Degree in Medicine :—

1st. No one entering after October 1st, 1884, will be admitted to the Degrees of Doctor of Medicine and Master of Surgery who shall not have attended Lectures for a period of at least four six months' sessions and one three months' summer session* in the University, or some other University, College or School of Medicine approved of by this University ‡

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*Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year, either Botany or Zoology, subject, however, to the provisions of the law in the Province in which they intend to practise medicine. Students desirous to take both subjects in one year must apply to the Faculty for permission.

† See under "Botany" supra.

‡ In order to introduce more laboratory teaching instead of didactic lectures, and to increase the personal instruction to students of the first year, those beginning the study of Medicine in October, 1894, will be required to attend an additional summer session of about three months after their first winter session.

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2nd. Students of other Universities so approved and admitted on production of certificates to a like standing in the University shall be required to pass the primary and final examinations in the same manner as Students of the Faculty of Medicine of this University. Such Students if entering at the standard of the Primary examination shall pass that examination on entrance at a special examination in October, for which a fee of two dollars for each subject will be charged.

3rd. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education, viz.:—

*Provided, however, that Testimonials equivalent to though not precisely the same as those above stated may be presented and accepted.*

| | |
|---|---|
| ANATOMY. | |
| PRACTICAL ANATOMY. | |
| PHYSIOLOGY. | |
| CHEMISTRY. | |
| MATERIA MEDICA AND THERAPEUTICS. | Of which two courses will be required of six months' duration. |
| PRINCIPLES AND PRACTICE OF SURGERY. | |
| MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN. | |
| THEORY AND PRACTICE OF MEDICINE. | |
| CLINICAL MEDICINE. | |
| CLINICAL SURGERY. | |
| MEDICAL JURISPRUDENCE. | Of which one Course of Six Months, or two Courses of Three Months will be required. |
| PRACTICAL CHEMISTRY. | Of which One Course will be required of Three Months' duration. |
| BOTANY OR ZOOLOGY. | |
| HYGIENE. | |
| HISTOLOGY. | Ten Lectures and Twenty-Five Demonstrations. |
| GENERAL PATHOLOGY. | Twenty-five Lectures. |

4th. The Candidate must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital, or that of some other Hospital approved of by this University, and of having compounded medicines for six months. He must also give proof of having acted as clinical clerk for six months in the wards of a general Hospital recognized by the Faculty.

5th. He must also give proof of having assisted at six autopsies.

6th. He must also give proof by ticket of having attended for at least six months the practice of the Montreal Maternity or other Lying-in-Hospital approved of by this University, and of having attended at least six cases of labor.

7th. No one will be permitted to become a candidate for the final or degree examination who shall not have attended at least one winter and one summer Session of this University.

8th. Courses of less length than the above will only be received for the time over which they have extended

9th. Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

10th. Candidates who fail to present themselves for to pass in any of the subjects of the first two years will be granted a supplemental examination at the beginning of the following session.

11th. Supplemental examinations will not be granted except by special permission of the Faculty, and on written application stating reasons, and accompanied by a fee of $5 for each examination.

12th. No Candidate will be permitted to proceed with the work of the final year until he has passed all the subjects comprised in the Primary Examination.

13th. Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

14th. The requirements for the summer session, when as at present taken after the third winter session, shall be:—

(*a*) Daily Hospital attendance;

(*b*) Maternity attendance; and

(*c*) Any two weekly clinics, in addition to the clinics in General Medicine and Surgery.

15th. Every Candidate for the Degree must, on or before the first day of March, present to the Regi trar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty the following Certificate:—

MONTREAL,——18—

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, or (if the case be otherwise) that I shall have attained the age of twenty-one years before the next graduation day, and that I am not [or shall not be at that time] under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed,) A. B.

16th. The trials to be undergone by the Candidate shall be such as are referred to under Section V.

17. The following Oath or Affirmation will be exacted from the Candidate before receiving his degree:—

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A——B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo: me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum: tum porro artem medicam caute,

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caste, et probe exercitaturum ; et quoad in me est, omnia ad ægrotorum corpurum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

18th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful Candidate immediately after examination.

## § V. EXAMINATIONS.

Weekly examinations are held, to test the progress of the Student ; and in addition two or three written examinations are given throughout the Session.

The examinations at the close of each Session are arranged as follows :—

### First Year.

*Pass Examination* in Botany or Zoology, Histology and Visceral Anatomy.

*Sessional Examination* in Anatomy, Chemistry and Physiology.

A due proportion of marks will be allowed for the Sessional Examination in each subject, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Second Year.

*Pass Examination* in Anatomy, Chemistry, Practical Chemistry, Physiology and Histology.

*Sessional Examination* in Pharmacology and Therapeutics.

One hundred marks will be allowed for the Sessional Examination, which marks shall be reckoned in the ranking of the Candidate after the examination of the following year.

### Third Year.

*Pass Examination* in Pharmacology and Therapeutics, Medical Jurisprudence, Hygiene* and General Pathology.

### Fourth Year.

*Pass Examination* in Medicine, Surgery, Obstetrics, Gynæcology, Clinical Medicine, Clinical Surgery and Clinical Obstetrics, Clinical Gynæcology, Practical Pathology.

By means of the above arrangement a certain definite amount of work must be accomplished in each year, and an equitable division is made between the Primary and Final branches.

With regard to the Primary Examination at the end of the second year, it remains optional with the Student whether he passes in all the branches or leaves two for the third year. In any case, Chemistry and Anatomy must be taken at the close of the second year, except it be otherwise agreed to by the Faculty.

* The examinations in Hygiene are held at the close of the summer session.

## § VI. MEDAL AND PRIZES.

1. The Holmes Gold Medal, awarded to the Student of the graduating class who receives the highest aggregate number of marks for the best examinations, written and oral, in both Primary and Final branches.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. A Prize in Books awarded for the best examination, written and oral, in the Final branches. The gold medallist is not permitted to compete for this prize.

3rd. A Prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The Sutherland Gold Medal, awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

5th. A Prize in Books for the best examination in Practical Anatomy.

6th. Prizes in Botany and Zoology.

A Prize in Books for the best examination.

7th. The Clemesha Prize in Clinical Therapeutics, books to the value of $25.

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## § VII. FEES.

The total collegiate fees for all Students entering on and after the 1st of October, 1890, will be four hundred dollars, to be paid in four annual instalments of one hundred dollars each. The above sum represents the tuition for four winter and one summer sessions. Additional summer sessions may be attended on payment of the registration fee, $5.00. (For graduation fee, see § IV, clause 16, supra).

*All fees are payable in advance to the Registrar, and, except by permission of the Faculty, will not be received later than 1st November.*

*It is suggested to parents or guardians of Students that the fees be transmitted direct by cheque or P.O. Order to the Registrar, who will furnish official receipts.*

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## § VIII. TEXT-BOOKS.

(*Prices current in Montreal.*)

ANATOMY.—Gray, Wilson, Quain (Eng. ed.).

PRACTICAL ANATOMY.—Heath's Dissector, Holden's Dissector, and Landmark's Ellis' Demonstrations.

PHYSICS.—Balfour, Stewart.

INORGANIC CHEMISTRY.—Wurtz's Elementary Chemistry, Remsen's Text-Book.

ORGANIC CHEMISTRY.—Remsen.

PRACTICAL CHEMISTRY.—Odling, Galloway, Fresenius.

PHARMACOLOGY and THERAPEUTICS.—Wood, Hare, Edes, Bruce.

PHYSIOLOGY.—Huxley's *Elementary Lessons*, Foster, Prof. Mills' Text-Book of Physiology and Outlines of Lectures.

PATHOLOGY.—Delafield and Prudden.

HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology.

SURGERY.—Holmes' Surgery (Eng. Ed.), Erichsen, Druitt, Bryant, Treves and the American System of Surgery.

PRACTICE OF MEDICINE.—Flint, Roberts, Bristowe, DaCosta, Fagge, Osler.

FOR REFERENCE.—Pepper's System of Medicine.

CLINICAL MEDICINE.—Finlayson's Clinical Manual, Fenwick on Medical Diagnosis, Warner on Medical Case Taking.

MEDICAL JURISPRUDENCE.—Husband, Guy and Ferrier, Reese.

MIDWIFERY.—Lusk, Galabin.

DISEASES OF CHILDREN.—Smith, Goodhart and Starr.

GYNÆCOLOGY.—Thomas and Munde, Skeene, Thurburn, Goodell's Lessons.

HYGIENE.—Parks, Wilson (Eng. ed.).

BOTANY.—Gray's Text-Book of Histology and Physiology.

ZOOLOGY.—Dawson's Handbook of Canadian Zoology.

## § IX. MUSEUM.

For the past fifty years the rich Pathological material furnished by the Montreal General Hospital has been collected here. The Faculty are also greatly indebted to many medical men throughout different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum. (See special Announcement of the Faculty of Medicine.)

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare conditions as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

### Obstetrical Department of the Museum.

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax illustrating the normal relations of the pelvic organs, the development of the uterus and its contents during pregnancy, various abnormalities, twin pregnancy, fœtal circulation, etc., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, etc.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

### Anatomical Museum.

In addition to the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently obtained:

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts, taken from the celebrated frozen sections of Professors His and Braune of Leipzig. These preparations have been placed in the Museum so that they can be constantly consulted by the Students.

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(4) (*a*) A complete set of Steger's brain sections ;

(*b*) Set of hardened brains with the various lobes, convolutions, ganglia, etc., in different colors ;

(*c*) Models of the cerebro-spinal and sympathetic nervou system.

## § X. LIBRARY.

The Library of the Medical Faculty now comprises upwards of thirteen thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may obtain books on making a deposit of $5, which is refunded on returning the volumes.

The Medical Faculty have great pleasure in acknowledging the following large additions to this library :

(1) The library of the late Dean, Prof. R. P. Howard.

(2) The Gadsdsen library of Comparative Medicine.

(3) The library of the late Dr. Godfrey.

(4) The library of the late Prof. Richard L. Macdonell.

(5) The library of the late Prof. George Ross.

## § XI. McGILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets once a week during the Summer Session, and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

A reading room has been established in connection with the Society, in which the leading English and American Medical journals are on file.

The leading daily and weekly newspapers of the Dominion are also kept on file.

## § XII. COST OF LIVING, ETC.

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from $15 to $20 per month. A list of boarding houses is prepared annually by the Secretary of the University, and may be procured from the Janitor at the Medical College.

## § XIII. HOSPITALS.

The city of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which Medical students of McGill University will receive clinical instruction are: —1. The Montreal General Hospital; 2. The Royal Victoria Hospital; 3. The Montreal Maternity Hospital; 4. The Montreal Dispensary. The Montreal General Hospital has for many years been the most extensive clinical field in Canada. The old buildings, proving inadequate to meet the increased demand for hospital accommodation, have this year been about doubled in size by the addition of the Campbell Memorial and Greenshields pavilions and the new surgical amphitheatre.

The Royal Victoria Hospital, at the head of University street, will be opened for the reception of patients during the coming session, and will afford exceptional opportunities for clinical instruction and practical training.

### *Montreal General Hospital.*

During the past year this hospital has been enlarged by the addition of two new Surgical Pavilions containing over 100 beds.

Attached to these wings is a large building containing a surgical amphitheatre furnished with all the modern appliances for the carrying out of aseptic methods. This amphitheatre has a seating capacity of over 300.

Besides the amphitheatre and its adjoining rooms for etherizing, for instruments and for the preparation of surgical dressings, there are on the same flat smaller operating rooms and isolation wards; the storey below is chiefly set apart for laboratories for clinical chemistry, bacteriology and general pathological work.

A much larger number of in-door and out-door patients receive treatment in the Montreal General Hospital than in any other Canadian hospital. Last year's report shows that between two and three thousand medical and surgical cases were treated in the wards, and the greater part of these were acute cases, as may be gathered from the fact that the average duration of residence was only 23, 34 days.

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The large number of out-door patients that are treated in the Hospital—upwards of 38,000 annually—supply illustrations of most of the diseases of infants and children, of very many of the eye and skin, and of those chronic and ill-defined ailments which, as they do not require admission to the wards of a hospital, would not otherwise come under the observation of the Student.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every Student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, and, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in the Hospital for Gynæcology and Laryngology, presided over by specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynæcology for the past five years with marked success has been the limitation of the number of Students to two or three, who, in rotation, assist at the examinations and receive instruction in the diagnosis and treatment of uterine diseases and the use of gynæcological instruments.

Recently two additional special clinics have been instituted in connection with the out-door department : one for diseases of children and the other for diseases of the nervous system.

Clinical Clerks in both medical and surgical wards are appointed every three months, and each one during his term of service conducts, under the immediate direction of the clinical professors, the reporting of all cases in the ward allotted him. Students entering on and after October next will be required to show a certificate of having acted for six months as clinical clerk in medicine or surgery. The holding of one of these offices is found to be of the greatest possible advantage to the student as affording a true *practical* training for his future professional life. They will be awarded on

application at the end of each Session to final Students of that year, in order of their standing in the primary examination.

DRESSERS are also appointed to the Out-door Department. For these appointments, application is to be made to the Assistant Surgeons or to the Resident Surgeon in charge of the out-patients' department.

Sessional Tickets entitling Students to admission to the Hospital must be taken out at the commencement of each session ; price $8. Perpetual tickets, if taken out at the beginning of the first session of the Hospital attendance, will cost $20 ; if otherwise, *i.e.*, if not paid for until a later date, $24 will be charged.

### *The Royal Victoria Hospital.*

This Hospital is situated a short distance above the University grounds, on the side of the mountain, and overlooks the city. It was founded in July, 1887, by the munificence of Lord Mount-Stephen and Sir Donald Smith, who gave half a million dollars each for this purpose, and have since endowed it with one million dollars in addition.

The buildings, which are now complete, were designed by Mr. Saxon Snell of London, England, to accommodate 250 patients.

The Hospital is composed of three massive buildings connected together by stone bridges, an administration block in the centre, a wing on the east side for medical patients, and a wing on the west side for surgical patients.

The administration block contains ample accommodation for the resident medical staff, the nursing staff and domestics. The patients' entrance, the dispensary and admission rooms are also situated in this building.

The Medical wing contains three large wards, each 123 feet long by 26 feet 6 inches wide, one ward 40 feet by 26 feet 6 inches, and twenty-one private and isolation wards averaging 16 feet by 12 feet, also a Medical Theatre with a seating capacity for 250, and rooms adjacent to it for Clinical Chemistry and other purposes.

The Surgical wing contains three large wards each 122 feet long by 26 feet 6 inches wide, four wards each 40 feet by 32 feet, and sixteen private and isolation wards averaging 16 feet by 12 feet ; also a Surgical Theatre with a seating capacity for 250, with six accessory rooms adjacent for preparation and after-recovery purposes.

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Arrangements for the reception of Students and regulations as to Hospital fees, etc., will be announced at the opening of the next session.

*Montreal Dispensary,—St. Antoine Street.*

Over 12,000 patients yearly are treated at this Institution. The cases are of great variety, comprising a large number of pulmonary affections and children's diseases. Minor operations are of daily occurrence, and excellent practice is afforded in the application of splints and bandages. The attending physicians furnish Students with all possible facilities. The hours of attendance are from 12 to 2 daily during the winter session and from 4 to 6 p.m. during the summer session.

*The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. An improved Tarnier-Budin phantom is provided for the use of the Students, and every facility afforded for acquiring a practical knowledge of the various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended one course of lectures are furnished with cases in rotation, which they are required to report and attend till convalescence. Clinical midwifery has been placed upon the same basis as Clinical Medicine and Surgery, and a final Clinical examination instituted. Regular courses of Clinical Lectures are given throughout the summer and winter sessions. Students will find it very much to their advantage to pay special attention to their Clinical work during the Summer Session. Though only six cases are required to qualify for the license of the Ontario and Quebec Medical Boards, twenty cases are demanded by the licensing bodies of Great Britain. A sufficient number of cases will be assigned to Students who contemplate presenting themselves for British qualifications. Two resident accoucheurs are appointed

yearly from the graduating class, to hold office for a period of six months each. By an arrangement with the authorities of the Montreal General Hospital one of the residents acts as Clinical assistant to the Gynæcologists for a period of six months, a change which has greatly enhanced the value of this appointment.

Fee for twelve months, $12.00.

## § XIV. STUDENTS' APPOINTMENTS.

General Hospital—Five Resident Medical Officers.
Clinical Clerk, Gynæcology,
" " Laryngology.
" " Diseases of Children.
" " Dermatology,
" " Diseases of Nervous System.
University Maternity—Two Resident Medical Officers.
Out-Door Dressers.
Dressers in Eye and Ear Department.
Surgical Dressers (in-door).
Medical Clinical Clerks.
Post-mortem Clerks.
Student Demonstrators of Anatomy, 4 third-year Students.
Prosectors to Chair of Anatomy, 2.
Assistants in Practical Histology Course, 2.
Assistants in Practical Physiology Course, 4.
Assistants in Practical Chemistry, 4.

## § XV. RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honors, suspend from Classes, or report to the Corporation for expulsion.

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## TIME TABLE—FIRST AND SECOND YEARS, FOR PAST SESSION (1892-93).†

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Anatomy Examination. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Practical Chemistry, |
| 10 | * Practical Chemistry, 2nd Year, till 12 o'clock. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Practical Chemistry, Botany, 1st Year. | Practical Chemistry, 2nd Year. | Histology Demonstration. |
| 11 | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Out-Patients, Montreal Ge n'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. | Out-Patients, Montreal Gen'l. Hospital. Zoology. | Practical Physiology, Out-Patients, Montreal Gen'l. Hospital. |
| P.M. 2 | Physiology Examination, 2nd Year. | Physiology, 2nd Year. | Physiology, 2nd Year. | Physiology, 2nd Year. | Prac. Physiology. | |
| 3 | Chemistry Examination. | Chemistry. | Chemistry. | Chemistry. | Chemistry. | |
| 4 | Materia Medica Examination. Physiology, 1st Year. | Materia Medica, Physiology, 1st Year. | Therapeutics, Physiology, 1st Year. | Materia Medica, Physiology, 1st Year. | Materia Medica, Histology Lectures, 1st Year. | |
| 4 to 6 | | Practical Histology. | | Practical Histology. | | |
| A.M. 10 to 12 | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. |

N.B.—The Demonstrator's Hours in the Dissecting Room from 10–12 a.m., and from 8–10 p.m. * Until Christmas only.
† Corrections for 1893-94 will be announced at the opening of the session.

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## TIME TABLE—THIRD AND FOURTH YEARS, FOR THE PAST SESSION (1892–93).*

| A.M. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Midwifery. | Midwifery. | Gynæcology. | Midwifery. | Gynæcology. | |
| 10 | Jurisprudence. | Pathology. | Jurisprudence. | | Jurisprudence. | |
| A.M. 11.15 | Medical Clinic, 4th Year. | Medical Clinic, 3rd Year. | Medical Clinic, 3rd and 4th Years. | Clinical Therapeutics. | Medical Clinic, 4th Year. | Medical Clinic, 3rd Year. |
| 1 | Surgical Clinic, (3) | Surgical Clinic, (4) | | Surgical Clinic, (4) | Surgical Clinic, (3) | Surgical Clinic, (4) |
| 2 | | | | | | |
| 3 | Materia Medica. | Materia Medica. | Therapeutics. | Ophthalmic Clinic † | Materia Medica. | |
| 4 | Medicine. | Medicine. | Medicine. | Medicine. | Medicine. | |
| 5 | Surgery. | Midwifery, 3rd year. | Surgery. | Surgery. | Surgery. | |

Autopsies are performed at the General Hospital between 12 a. m. and 2 p.m. † 4th year.
* Corrections for 1893-94 will be announced at the opening of the session.

# Faculty of Law.

THE PRINCIPAL (Ex-Officio).
N. W. TRENHOLME, Q.C., M.A., D.C.L., Dean, and GALE Professor of Roman and International Law.
Honourable Mr. JUSTICE WURTELE, D.C.L., Professor of the Law of Real Estate.
J. S. ARCHIBALD, Q.C., D.C.L, Professor of Commercial Law.
L. H. DAVIDSON, Q.C., M.A., D.C.L., Professor of Commercial Law.
CHRISTOPHE A. GEOFFRION, Q.C., D.C.L., Professor of the Law of Contracts.
ARCHIBALD MCGOUN, M.A., B.C.L., Professor of Legal Bibliography.
THOMAS FORTIN, LL.L., B.C.L., Professor of Civil Procedure and Municipal Law.
W. DEM. MARLER, B.A., B.C.L., Professor of Notarial Law.
Honourable C. J. DOHERTY, D.C.L., Professor of Civil Law.
HARRY ABBOTT, Q.C., B.C.L., Professor of Commercial Law.
EUGENE LAFLEUR, B.A., B.C.L., Professor of Civil Law.

Dean of Faculty.—Professor TRENHOLME.

Secretary and Librarian of the Faculty.—Professor MCGOUN.

Corporation Examiners for Degrees.—Professors TRENHOLME and FORTIN.

Matriculation Examiners of the Faculty.—Professors ARCHIBALD and LAFLEUR.

The Faculty of Law feels much satisfaction in being able to announce that the important step, so long and earnestly desired by all friends of the University, of placing the McGill School of Law on such a substantial and permanent basis as to enable it efficiently to perform its part in the great work of legal education in Canada, has been accomplished by the munificent endowment presented to the University by Mr. William C. McDonald. This endowment places the Faculty in a position to offer to those who desire to study the Law, either with a view to its practice as a profession or as a means of culture, or as a qualification for the discharge of the higher duties of citizenship, a comprehensive and complete course of legal study, with the use of library, reading room and other aids which have not heretofore been at the command of the Faculty. The course of study to be pursued, extending over a period of three years, and the instruction to be imparted, while designed so far as possible to qualify professional Students for the practice of their profession,

will also fully recognize the important fact, which, no doubt, was a main inducement for the action of the Faculty's generous benefactor, that upon the character of the Bar depends that of the Bench and of the administration of justice, and to a great extent also the character of the public men and public life of the country; that, in fact, from the ranks of no other profession are so many called to fill high positions of trust and to perform duties, the efficient and upright discharge of which is of vital importance to the community.

In re-organizing the Faculty, under the W. C. McDonald endowment, a number of well-known names have been added to the staff, as shown above, and the courses largely specialized. It was felt, that while professional men, engaged in the active practice of their profession, might be relied upon to deliver regularly a limited number of lectures, on special subjects, they could not be expected to undertake to submit to the serious interference with their business and inevitable interruptions involved in very lengthy courses. And to obviate the difficulties and drawbacks necessarily arising from sole dependence, as heretofore, on professional men in active practice, for attending to the interests and maintaining the efficiency of the Faculty, and to meet a deeply-felt want in this respect, the Dean has been appointed as a salaried officer, whose duty it will be primarily to devote his whole time to the work.

Further, the Professor of Legal Bibliography has been appointed secretary and librarian, and will have supervision of the Library,—comprising at present the law libraries of the late Mr. Griffin, Q.C., of the late Chancellor Day, and of part of the library of the late Mr. Justice McKay, all of which were bequeathed to the University; and also of the law library of the late Mr. Justice Torrance, now the property of the Fraser Institute, of which he was a trustee—the use of which has been generously granted to the Faculty by the present trustees. The above law books will of themselves afford to the law student a library which will generally prove sufficient for his wants, and which will be kept up and added to by the expenditure of a sum annually in the purchase of books. There will also be provided in connection therewith a reading room, in which the leading law magazines and literature of the day will be found.

As a place for the study of Law by professional Students, Montreal affords undoubted advantages, among other reasons, on account

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of the great variety and extent of the legal business done there, the constant sitting of all the principal courts of the Province, and the large number of first-class law offices open to Students; while for all students, and especially for students of historic and philosophic jurisprudence, no more interesting or attractive legal system exists than that prevailing in this Province, where may be daily seen and studied, not simply theoretically, but in active operation as parts of our law, the three famous systems of jurisprudence,—Roman, French and English,—with additions and modifications introduced by our own legislatures and courts. The imposing features of the Roman Law may be recognized throughout the greater portion of our Civil Code, often combined with or incorporated into that noble system elaborated and perfected by Pothier and other great French jurists, both of the ancient and modern epochs, which is the direct source of most of our Civil Law; while nearly the whole body of English Criminal and Constitutional Law and large portions of English Commercial Law are equally parts of the law of this Province.

The importance of the Notarial profession, and of a knowledge of notarial practice and conveyancing, has led to the appointment as a full member of the Faculty of a Professor of Notarial Law, whose course of lectures will be attended by all professional Students.

With a view to extending as far as possible the usefulness of the Faculty, the courses of lectures on commercial subjects have been so arranged, that young men engaged in banks or other business houses can attend them without interference with their regular duties. Students of other departments of the University, and, in fact, all who may desire to do so, may attend such particular courses as they may see fit to select. It is hoped that the courses delivered will be found beneficial to all students, indeed to all who may desire to know something of the constitution and laws by which they are governed, and of a science which has been characterized by Burke as "the collected reason of ages, combining the principles of original justice with the infinite variety of human concerns."

While the Faculty accepts for matriculation the requirements stated in the Regulations below, it nevertheless strongly recommends Students intending to study law to take the B.A. course in the Faculty of Arts as a preliminary qualification; and if that be not attainable, as much as possible of the Arts course.

### Lectures and Examinations.

The classes in Law will begin in the Faculty Rooms, Fraser Institute, on Monday, the 4th September, 1893.

The Supplemental and Matriculation Examinations will be held in the Faculty Rooms, Fraser Institute, on Friday, 1st September, at 4 p.m.

The lectures will be delivered in the Faculty Rooms in two terms: the first beginning on Monday, 4th September, 1893, and the second beginning on Thursday, 4th January, 1894.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the session, and as announced below, unless otherwise determined by the Faculty.

The complete course of study in this Faculty extends over three years. Attendance at lectures is required of all students proceeding to the degree of B.C.L.

Professors Fortin and Lafleur will deliver their lectures in French.

### Scholarships and Prizes.

Two scholarships, each of one hundred dollars, are offered for competition, the preference being given to Students whose domicile is not in Montreal or vicinity. They will be awarded, after the Sessional Examinations in April, 1894, upon the results of the Examinations of the first year, and will be payable during the second year.

Prizes open to competition by all the Students except the medalist and holders of scholarships will also be given to the Students taking the best standing in each year.

No scholarship or prize shall, however, be awarded to any Student unless a sufficiently high standing, in the estimation of the Faculty, be attained, to merit it.

### Classification of Students.

Matriculated Students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation for attendance on any particular series of Lectures.

Students who have completed their course of three years, and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

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## COURSE OF STUDY FOR 1893-94

*Roman Law:*

1st Year.
History of Roman Law
Maine, Ancient Law, cap. I. to IV
Institutes of Justinian, Bk. I
Gaius, Commentaries, I
2nd and 3rd Years.
Institutes of Justinian, Bk. II. et seq
Gaius, Commentaries, III. et seq
Maine, Ancient Law, cap. IV. et seq
— The DEAN.

*Criminal Law*
*International Law*
— The DEAN.

*Law of Real Estate:*

History and nature of various kinds of tenure of real property in the Province, and their incidents — Professor WURTELE.

*Commercial Law:*

Law of Sales, including Commercial Sales — Professor ARCHIBALD.

*Commercial Law:*

Law of Agency
Law of Partnership
— Professor DAVIDSON.

*Law of Contracts* — Professor GEOFFRION.

*Legal Bibliography and History:*

Sources of our Law: Customary Law of France, Royal Edicts and Ordinances, with jurisprudence of Parliament of Paris; Imperial Statutes and English laws in force here; Legislation within the Province — Professor MCGOUN.

*Civil Procedure:*

Jurisdiction of the civil courts
General Rules of Pleading
Code of Procedure
— Professor FORTIN.

*Notarial Law:*

Notarial Practice and Conveyancing — Professor MARLER.

*Civil Law:*

Law of Successions
Forced licitations
— Professor DOHERTY.

*Commercial Law:*

Law of Banking
Documents of Title
Railway Law
— Professor ABBOTT.

*Civil Law:*

Law of persons and domestic relations
Civil Code, from art. 18
— Professor LAFLEUR.

## FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Secretary, Prof. McGoun, 181 St. James st., for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. The degree of B.A. obtained from any Canadian or other British University; or a certificate of having passed the examination before the Bar for admission to study Law in the Province of Quebec; or the Intermediate Examination in the Faculty of Arts in McGill University, shall be accepted in lieu of Examination for Matriculation in this Faculty. For other candidates the Matriculation Examination this year will be in the following subjects:—

*Latin.*—Virgil, Æneid, Book I.; Cicero, Orations I. and II. against Catiline. Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires;" *Molière, "Le Bourgeois Gentilhomme;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic; Algebra to the end of Simple Equations; Euclid, Books I. II., III.

*Philosophy.*—* Whately's Logic; † Logique de Port Royal; † Cousin, Histoire de la Philosophie; * Stewart's Outline of Moral Philosophy.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students in Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended collegiate courses of legal study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct:

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(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted, and the said class-book shall be submitted to the Faculty at each monthly meeting; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each Student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

(4) Any Student injuring the furniture or building will be required to repair the same at his own expenses, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the end of April following.

The lectures will be delivered between the hours of half-past eight and half-past nine in the morning and four and half-past six in the afternoon, and special lectures in the evening; the whole at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the Students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the Students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such Students and those of the Students regularly attending Lectures. No Student shall pass the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been approved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Secretary of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to compete, shall take the highest marks in a special Examination for the Medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :—

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in the Faculty are as follows :—

| | |
|---|---|
| Registration Fee | $ 5 00 |
| Sessional Fee by Ordinary Students | 36 00 |
| Graduation Fee, including registration as voter in election of fellows | 12 50 |
| Fee for supplemental examination | 5 00 |
| Sessional Fee by Occasional or Partial Students, for each course | 3 00 |
| For Occasional or Partial Students who are students in other departments of the University or affiliated Colleges, taking two or more courses, a single fee of | 5 00 |

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Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than $3. Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. Occasional or Partial Students may be admitted into any class on such terms as shall be arranged by the Faculty.

17. The requirements and conditions for obtaining the Degree of D.C.L. in course can be ascertained upon application to the Secretary of the Faculty.

## SYLLABUS.

Friday, 1st September, 1893. Matriculation and Supplemental Examinations.
Monday, 4th. Ordinary Lectures begin.
Saturday, 9th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examination for admission to study or to practise Law in the Province of Quebec.
Thursday, 4th January, 1894. Lectures, Second Term, begin.
Wednesday, 10th January, 1894. Bar Examinations take place at Montreal.
Tuesday, 27th Feb. Theses for Degree of B.C.L.
Monday, 23rd April. Declaration of results of Examination.
Friday, 27th April. Convocation for Degrees in Law.
Monday, 5th June. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the July Examination for admission to study or to Practise Law in the Province of Quebec.
Wednesday, 4th July, 1893. Bar Examinations take place at Quebec.

## EXAMINATIONS.

The dates of Examinations, subject to be changed if need be, by the Faculty.

*Before Christmas :—*

Friday, 1st September, 1893, 4 to 6 p.m. Matriculation and Supplemental Examinations—Faculty Rooms, Fraser Institute.
Saturday, 25th November, 1893, 3 to 5 p.m. On Preliminary Course on Obligations—The Dean.
Tuesday, 12th December, 1893, 4 to 6 p.m. On Legal History and Bibliography —Prof. McGoun.
Wednesday, 13th December, 1893, 4 to 6 p.m. On Civil Law (Persons)—Prof. Lafleur.
Thursday, 14th December, 1893, 4 to 6 p.m. On Roman Law—The Dean.
Friday, 15th December, 1893, 4 to 6 p.m. On Contracts—Prof. Geoffrion.
Saturday, 16th December, 1893, 3 to 5 p.m. On Agency and Partnership—Prof. Davidson.

*After Christmas :—*

Saturday, 10th February, 1894, 3 to 5 p.m. Real Estate—Prof. Wurtele.
Saturday, 24th February, 1894, 3 to 5 p.m. Criminal Law—The Dean.
Saturday, 17th March, 1894, 2 to 5 p.m. On Civil Procedure—Prof. Fortin.
Tuesday, 17th April, 1894, 4 to 6 p.m. On International Law—The Dean.
Wednesday, 18th April, 1894, 4 to 6 p.m. On Civil Law (Successions)—Prof. Doherty.
Thursday, 19th April, 1894, 4 to 6 p.m. On Commercial Law (Sales)—Prof. Archibald.
Friday, 20th April, 1894, 4 to 6 p.m. On Law of Railways—Prof. Abbott.
Saturday, 21st April, 1894, 3 to 5 p.m. On Notarial Law—Prof. Marler.

## MEETINGS OF FACULTY.

In the Faculty Rooms, Fraser Institute, at 3 P.M.

Friday 1st, Monday 4th September, 1893.
Monday 2nd October, 1893.
" 6th November, "
" 11th December, "
" 8th January, 1894.
" 5th February, "
" 5th March, "
" 9th April, "
" 23rd " "
" 4th June, "

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# FACULTY OF LAW—TIME TABLE, 1893-94.

I. MONDAY, 4th September, to FRIDAY, 29th September, 4 weeks.

| HOURS. | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | Prof. McGoun. |
| 4 to 5 p.m. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. |
| 5 to 6 p.m. | Prof. Lafleur. | The Dean. | Prof. Lafleur. | The Dean. | Prof. Lafleur. |

II. MONDAY, 2nd October, to FRIDAY, 3rd November, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | Prof. McGoun. | | Prof. McGoun. | | Prof. McGoun. |
| 4 to 5 p.m. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. |
| 5 to 6 p.m. | Prof. Lafleur. | Prof. Davidson. | Prof. Lafleur. | Prof. Davidson. | Prof. Lafleur. |

III. MONDAY, 6th November, to FRIDAY, 8th December, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 4 to 5 p.m. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean. | Prof. Fortin. |
| 5 to 6 p.m. | Prof. Davidson. | Prof. Geoffrion. | Prof. Davidson. | Prof. Geoffrion. | Prof. Davidson. |

IV. THURSDAY, 4th January, to FRIDAY, 2nd February, 4½ weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | Prof. Fortin. | The Dean. | Prof. Fortin. | The Dean | Prof. Fortin. |
| 5 to 6 p.m. | Prof. Archibald. | Prof. Wurtele. | Prof. Archibald. | Prof. Wurtele. | The Dean. |

V. MONDAY, 5th February, to FRIDAY, 8th March, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | The Dean. | The Dean. | The Dean. | The Dean. |
| 5 to 6 p.m. | Prof. Archibald. | Prof. Abbott. | Prof. Archibald. | Prof. Abbott. | Prof. Archibald. |

VI. MONDAY, 11th March, to FRIDAY, 12th April, 5 weeks.

| | | | | | |
|---|---|---|---|---|---|
| 8.30 to 9.30 a.m. | | Prof. Doherty. | | Prof. Doherty. | |
| 4 to 5 p.m. | The Dean. | | The Dean. | | The Dean. |
| 5 to 6 p.m. | Prof. Abbott. | Prof. Marler. | Prof. Abbott. | Prof. Marler. | Prof. Abbott. |

## APPENDIX.

The attention of intending Students is called to the following provisions of the Revised Statutes of Quebec and amendments, as bearing on the requirements for the study and practice of Law in the Province :—

ARTICLE 3544 R.S.Q.—Examinations for admission to study and to practise law in the Province of Quebec are held at the time and place determined by the General Council.

The places and dates as at present fixed are

**MONTREAL, - Wednesday, 10th Jan., 1894.**

**QUEBEC, - - Wednesday, 4th July, 1894.**

and alternately at Montreal and Quebec every six months, namely—at Montreal on the second Wednesday of each January, and at Quebec on the first Wednesday of each July.

All information concerning these examinations can be obtained from the General Secretary's Office. The present General Secretary is W. C. Languedoc, Esq., Quebec.

ARTICLE 3546.—Candidates must give notice as prescribed by this Article, at least one month before the time fixed for the examination, to the Secretary of the Session in which he resides, or in which he has resided for the last six months.

The present Secretary of the Montreal Section is Mr. Charles Lanctot, 1608 Notre Dame street, Montreal.

ARTICLE 3503a.—Added by Statute of Quebec, 53 Victoria (1890), Cap. 45, provides that Candidates holding the diploma of Bachelor of Arts, Bachelier-es-Lettres, or Bachelier-es-Science from a Canadian or other British University, is dispensed from the examination for admission to study. Such Candidates are, however, recommended to give the notice required as above.

ARTICLE 3548 R.S.Q. (as altered by by-law of the General Council).—On giving the notice prescribed by Article 3546, the Candidate pays to the Secretary a fee of $2.00, and makes a deposit of $30.00, for admission to study, or of $70.00 for admission to practice, which deposit, less $10.00, is returned in case of his not being admitted.

ARTICLE 3552.—To be admitted to practice, the Student must be a British subject, and must have studied regularly and without interruption during ordinary office hours, under indentures before a Notary, as Clerk or Student, with a practising Advocate, during Five Years, *dating from the registration of the certificate of admission to study.* This term is reduced to Four years in this case of Student who has followed a regular law course in a University or College in this Province, and taken a degree in law therein.

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# REQUIREMENTS FOR DEGREE OF DOCTOR OF CIVIL LAW.

ADOPTED OCTOBER, 1891.

Every Candidate for the Degree of D.C.L. in Course must be a Bachelor of Civil Law of twelve years' standing, and must pass such examination for the Degree of D.C.L. as shall be prescribed by the Faculty of Law. He shall also, at least two months before proceeding to the Degree, deliver to the Faculty twenty-five printed copies of a Thesis or Treatise of his own composition on some subject selected or approved by the Faculty, such Thesis to contain not less than fifty octavo pages of printed matter, and to possess such degree of merit as shall, in the opinion of the Faculty, justify them in recommending him for the degree.

The Candidate shall also pay to the Secretary of the Faculty, annually during the period of twelve years, for the retention of his name on the books of the Faculty, a fee of two dollars, to form part of the Library Fund of the Faculty. Upon cause shown, however, and with the consent of the Faculty, such fees may be paid at one time before the granting of the degree.

The Examination for the Degree of D.C.L. in Course, which shall be open to all who have taken the degree of B.C.L. of this University in the past, as well as to such as may take the degree in future, shall, until changed, be on the following subjects and authors, with the requirement of special proficiency in some one of the groups below indicated. In the groups other than the one selected by the Candidate for special proficiency, a thorough acquaintance with two works of each group shall be sufficient, including in all cases the work first mentioned in each group and the first two works in group third.

1. INTERNATIONAL LAW.

Phillimore, International Law.
Hall, " "

Wharton, Conflict of Laws.
Savigny's International Law, by Guthrie.
Fœlix, Droit International Privé.
Brocher, Droit International Privé.
Dicey on Domicile.
Story, Conflict of Laws.
Maine, Lectures on International Law.

### 2. Roman Law.

Ortolan's Institutes.
Mommsen's History of Rome.
Roby's Introduction to the Digest.
Muirhead's Roman Law.
Mackenzie's Roman Law.
Savigny's Roman Law in the Middle Ages.
Bryce's Holy Roman Empire.
Institutes of Gaius.
Fustel de Coulanges, La Cité Antique.

### 3. Constitutional History and Law.

Dicey's Law of the Constitution.
Stubbs' Constitutional History of England.
Hearn, Government of England.
Bagehot, English Constitution.
Franqueville, British Government and Parliament.
Gneist, Constitution of England.
Hallam, Constitutional History of England.
May, " " "
Gardiner, " " "
May, Democracy in Europe.
Freeman, Growth of the English Constitution.
Mill, Representative Government.
Bentham, Fragment on Government.
Maine, Popular Government.

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4. Constitution of Canada and Works relevant thereto.

Todd, Parliamentary Government in the British Colonies.
Bourinot, Federal Government in Canada.
Doutre, Constitution of Canada.
Cartwright, Cases under the British North America Act.
Lord Durham's Report on British North America.
Lareau, Histoire du Droit Canadien.
Houston's Constitutional Documents of Canada.
Volume O., Statutes of Lower Canada.
Masères' Collection of Quebec Commissions.
Laferrière, Essai sur l'histoire du droit français.
Dilke, Problems of Greater Britain.
Matthews (Jehu), A Colonist on the Colonial Question.
Bryce, American Commonwealth.
Curtis, History of the Constitution of the United States.
Cooley, Principles of Constitutional Law.

5. Criminal Law, Jurisprudence and Political Science.

Stephens, History of the Criminal Law.
Blackstone, Vol. IV.
Harris, Principles of Criminal Law.
Pike, History of Crime.
Holland's Elements of Jurisprudence.
Austin, Lectures, omitting chapters on Utilitarianism.
Lorimer's Institutes.
Amos, Science of law.
Woolsey, Political Science.
Lieber, Political Ethics.
Freeman, Comparative Politics.
Aristotle's Politics, by Jowett.

# Faculty of Comparative Medicine and Veterinary Science.

THE PRINCIPAL (*Ex-officio*).

*Professors :*

MCEACHRAN (D.), BAKER, MCEACHRAN (C.).

*Associate Professors :*

GIRDWOOD, PENHALLOW,
WILKINS, MILLS.
BLACKADER. ADAMI.

Dean of the Faculty :—D. MCEACHRAN, D.V.S.
Registrar :—C. MCEACHRAN, D.V.S.

The Fifth Session of the Faculty (being the twenty-eighth of the Montreal Veterinary College) will be opened on Tuesday, the 3rd October, 1893, by an introductory lecture, at 8 p.m., in the lecture-room of the Faculty, No. 6 Union Avenue. The regular courses of lectures will begin on Wednesday, 4th October, at the hours named in the time table, and will continue till the end of March.

The complete curriculum in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to present themselves for examination after regular attendance on one full sessional course; graduates of recognized Agricultural Colleges, in which Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

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Graduates of recognized Veterinary Colleges, desirous of taking the degree, may do so by attendance on the final subjects for one full session, but will be required to pass the examinations on all the subjects embraced in the curriculum, botany excepted.

Occasional and agricultural students will be received without matriculation for attendance on any particular series of lectures. Such students will not be examined, nor will they be entitled to receive class certificates except as occasional students, nor will such attendance be accepted should the student subsequently wish to become a regular student of the Faculty.

## MATRICULATION.

Every student, previous to his admission, must produce a certificate of educational acquirements satisfactory to the Faculty, or submit himself to a matriculation examination in (1) writing, (2) reading aloud, (3) dictation, (4) English grammar, (5) composition, (6) outlines of geography with special reference to North America, (7) arithmetic (including vulgar and decimal fractions).

A. N. Shewan, M.A., will hold the matriculation examination on Saturday, 30th Sept., 9 a.m., at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination. Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates of any Faculty in a recognized University or Agricultural College are not required to matriculate.

No College is recognized unless its students are required to matriculate.

NOTE—It is contemplated to add the rudiments of Latin to the matriculation in the near future.

## REGISTRATION AND PAYMENT OF FEES.

The following are the College regulations :—

All students desirous of attending the classes shall, at the commencement of each session, enroll their names and residences in the register of the Faculty, and procure from the Registrar a ticket of registration, for which each student shall pay a fee of $5.

The said register shall be closed on the last day of October in each year. The fees are payable to the Registrar and all class tickets will be issued by him, and must be paid in advance (except under special circumstances) at the time of registration.

All students must register, including those who receive free bursaries.

Fees for the whole course are $180, which may be paid in three annual payments of $60 each, which, in all cases, must be paid on entering. Matriculation fee, $5, which is to be paid prior to the examination ; $5 for registration, and $5

for re-registration, payable at the beginning of each of the following two Sessions, and $20 on receiving the diploma. Students who are allowed time for previous study will be required to pay full fees. Payments must be made in all cases as above.

## SCHOLARSHIPS.

The Faculty offers for competition this session (1893-4) two scholarships of fifty dollars each : one for first, and the other for second year students. These scholarships will be awarded to the student in each year who has the highest aggregate, and who obtains not less than fifty per cent. in any one subject, and an average of seventy-five per cent. of the total number of marks attainable.

## STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture has the privilege of sending thirteen pupils, free of expense, to the whole course ; such students, however, pay a fee of $5 for the course in Botany and $5 annually for registration. These Bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the Faculty in the handwriting of applicant, accompanied by a recommendation from the Agricultural Society of the district in which he resides, provided the Council considers him qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, Bursars will be required to give a guarantee that they will attend three Sessions ; and failing to do so, they shall be required to pay the fees for the Sessions which they have attended.

## GENERAL REGULATIONS.

Students of this Faculty will be graded as of the first, the second, and the final year.

In each year students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Occasional Students shall apply to the Dean of the Faculty for admission as such, and shall obtain a ticket or tickets for the class or classes they desire to attend.

All Students shall be subject to the following regulations as regards attendance and conduct :—

A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted ; and the said class-book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations ; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to he examination in the respective classes.

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Punctual attendance on all the classes proper to his year is required of each Student. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class-room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class-rooms. Any Professor observing improper conduct in the Class-rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

All cases of discipline involving the interest of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the 30th March following.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors and such other examiners as may be appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The Students have all the privileges of the McGill Medical Faculty's Laboratories, which are thus described in their annual calendar:—

## PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains, amongst other valuable instruments: kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of Students assisting at, and taking part in, these demonstrations. [During the past

session, important additions of apparatus have been made to the Physiological Laboratory.]

## CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on his course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, etc., giving to the Student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

## PATHOLOGICAL LABORATORY.

In the Pathological Laboratory accommodation will be provided for Students or practitioners who desire to carry on advanced study or private pathological research.

The laboratory has been entirely re-built recently, and is well stocked with the usual apparatus for pathological and bacteriological work.

The demonstrations in Morbid Anatomy will be given in a small laboratory, specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

## HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well lighted room on the second floor. It is so arranged, that over eighty students can be present at the microscopical demonstrations. For this purpose, it is supplied with thirty-five microscopes, all from the wel' known makers, Zeiss, Hartnack and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are subjects of demonstration.

## PRACTICAL MICROSCOPY.

This is an entirely optional course, in charge of Prof. Wilkins, assisted by Dr. Gunn. It is intended especially for teaching the technique of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain, and mount

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specimens. For this purpose they will have furnished them normal structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and apparatus, except cover-glasses and cabinet cases, provided. Fee, $8.

## COURSES OF LECTURES.

### BOTANY.*

D. P. PENHALLOW, B.Sc.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collections, models and apparatus in the Redpath Museum. Use is also made of the resources for practical instruction in Morphology, now afforded by the Botanic Garden.

### ZOOLOGY.*

W. E. DEEKS, B.A., M.D.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It affords suitable preparation for collecting in any department of Canadian Zoology or Palæontology, and as an introduction to Comparative Physiology.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

It is optional with students to select either the course on Botany or on Zoology.

### CHEMISTRY.

GILBERT P. GIRDWOOD, M.D.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Medicine. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the Class to repeat experiments performed during the course, under the superintendence of the Professor or his Assistant.

*Students may take either Botany or Zoology, but must intimate at the beginning of the Session their choice, and adhere to this, except by special permission of the Faculty. Students desiring to attend both subjects in one session may do so by permission of the Faculty.

## PHYSIOLOGY.

WESLEY MILLS, M.D.

The purpose of this Course is to make Students thoroughly acquainted, so far as time permits, with modern Physiology, its methods, its deductions, and the basis on which the latter rest. Accordingly, a full course of lectures is given, in which both the Experimental and the Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the student.

Laboratory work for Senior Students :—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food-stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc.

## HISTOLOGY.

GEO. WILKINS, M.D.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## COMPARATIVE PATHOLOGY.

J. G. ADAMI, M.D.

The teaching in Pathology at McGill Medical College includes courses in general and special Pathology, in Bacteriology (held during the Summer Session) and instruction in the performance of Autopsies. These courses—while directed especially towards giving to the Students a due knowledge of the causation and course of disease in man— are necessarily based largely upon the results of observations upon the lower animals, and the greater part of all these causes is applicable equally to conditions obtaining in the domestic animals. There is in addition a practical course of Pathological Histology for Students of Comparative Medicine, and instruction is given upon the performance of Autopsies upon the lower animals.

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## MEDICINE AND SURGERY.

D. McEachran, F.R.C.V.S.

Students of all years must attend.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature, causes, symptoms and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and the yard practice of the College, ae well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practices of Surgery, and will be illustrated by a large collection of surgical appliances.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes.

Special lectures will be given on Sanitary Science, Quarantine, inspection of meat and milk, and also on the examination of horses for soundness.

## ANATOMY.

M. C. Baker, D.V.S.

In this course the Anatomy of the horse is the subject of special study; while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of anatomical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most complete collection of diagrams, including Marshall's complete set, M. Achille Comte's Anatomical and Zoological series, also a large collection of drawings specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawksett, Montreal.

The dissecting room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords students all that can be reasonably desired.

Students are required to pay for the material necessary for practical anatomy.

Before a student can be allowed to present himself for his pass examination, he must produce tickets certified by the demonstrator that he has dissected two entire subjects, that is, one each session.

## MATERIA MEDICA AND THERAPEUTICS.

A. D. Blackader, M.D.

This course comprises a description of the physiological and therapeutic action of all the more important medicines used in Veterinary Practice, with a short

reference to their general properties and principal preparations. It will also include a course in the practical work of compounding and administering medicines in the pharmacy and hospital. There will also be a few experimental demonstrations of the action of some of the more important drugs on animals.

## CATTLE PATHOLOGY AND OBSTETRICS.

C. McEACHRAN, D.V.S.

A special course on Cattle Diseases and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plagues: their nature, symptoms, pathological anatomy, prophylacting and therapeutic treatment; breeding and general management of breeding animals; diseases incident to gestation and parturition, etc.

## SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special course on Dogs, which will include :—

(1) Lectures on the physical and psychic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.

(2) The principles of training; the feeding and general management of dogs.

(3) The principles of breeding; the management of brood bitches and the rearing of puppies.

(4) Bench show management and the public judging of dogs.

(5) The rights and duties of dog owners.

In all of the above courses the clinical and pathological aspects of the subjects will be considered, as well as the normal.

## THE MUSEUM

contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the Students have frequent opportunities of referring. Students will also enjoy the privileges of the Museum of the Medical Faculty of McGill University, which is rich in pathological specimens.

## THE PHARMACY.

All the medicines used in the practice of the College are compounded by the Students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this

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means they become familiar with the physical properties, compatibilities, doses and uses of the medicines, and become expert in administering them to the different patients brought for treatment.

## THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the City and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the numbers of cattle kept in the City, and the valuable thoroughbred herds in the neighborhood, advanced Students are enabled to see and do considerable cattle practice. The dog practice is the largest in Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior Students will be appointed to act alternately as dressers in the Hospital, and first and second year men must assist in administering medicines and at operations.

## FREE CLINICS.

To afford the Students still more extensive opportunities of clinical observation, an hour a day will be given to free clinics for animals belonging to the poor, which will be duly advertised.

## TEXT-BOOKS.*

The following text-books are recommended :—

*Anatomy*—Chauveau's Comparative Anatomy ; Strangeway's Veterinary Anatomy ; McFadeyan's Veterinary Anatomy.

*Physiology*—Huxley's Elementary Lessons ; Prof. Mills' Text-Book of Comparative Physiology ; Outlines of lectures by the same author.

*Histology*—Klein's Elements ; Schafer's Essentials of Histology.

*Botany*—Gray's Structural Botany ; Bessey's Botany.

*Zoology*.—Dawson's Handbook.

*Chemistry*.—Wurtz's Elementary Chemistry ; Armstrong ; Remsen's Organic Chemistry.

*Medicine and Surgery*.—William's Principles and Practice of Veterinary Medicine ; Fleming's Sanitary Science and Police ; William's Surgery ; Fleming's Operative Surgery ; Robertson's Equine Medicine ; Liautard's Operative Veterinary Surgery.

*Materia Medica*.—Dun's Veterinary Medicines ; Walley's Veterinary Conspectus ; Tuson's Pharmacy.

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* Students are advised not to buy text-books extensively till after consultation with the Professor who teaches the subject.

*Cattle Diseases.*—Steel's Bovine Pathology; Clatter's Cattle Doctor (Armitage); Fleming's Veterinary Obstetrics.

*Canine Diseases.*—Prof. Mills' The Dog in Health and in Disease; Hill on the Dog.

*Entozoa.*—Cobbold's Entozoa of Domestic Animals.

*Pathology.*—Payne's Pathology.

## BOARD AND TRAVELLING EXPENSES.

Board can be obtained at from $15 to $20 per month.

By the kindness of the Railway Companies, certified students of the College will be granted return tickets from Montreal to any part of their lines at greatly reduced rates, the said tickets to hold good from the close of one session to the beginning of the next.

Return tickets will also be granted for the Christmas vacation.

## VETERINARY MEDICAL ASSOCIATION.

This Association is for the mutual improvement of its members in all matters pertaining to the profession.

The members are graduates and students of Veterinary Medicine, also graduates and students of Human Medicine.

The meetings are held fortnightly, at which papers are read and discussed, cases reported, etc.

The advantages which students derive from these meetings are very great. Not only do they hear carefully prepared papers on subjects of professional importance, but an opportunity is afforded for practising public speaking, which in after-life is often extremely useful. The fees of the Association are expended in the purchase of books for the Library, drugs for experimental purposes, and the prizes awarded for papers read.

The Library is owned by the Association, and is under the control of officers who are elected annually. It contains nearly 600 volumes, embracing works of great antiquity, as well as the modern works on Veterinary Science and collateral subjects, in both the English and French languages, all of which are available for consultation and study by members.

Every student is expected to become a member. The entrance fee is $5, and the yearly subscription $2.50. A Diploma of Honorary Fellowship is conferred on all members who have complied with the regulations of the Association.

## ASSOCIATION FOR THE STUDY OF COMPARATIVE PSYCHOLOGY.

This Society is similar in constitution to the Veterinary Medical Association.

Its object is the study of the Psychic Phenomena (intelligence, etc.) of all classes of animals, and the diffusion of sounder views on this subject.

Naturally, it is of great importance in the practice of medicine upon dumb animals, as well as of peculiar scientific interest.

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## QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects :—

Either Botany on Zoology, Histology, } One course of six months, 1st year.

Chemistry, Physiology, Anatomy, } Two courses of six months, 1st and 2nd years.

General Pathology and Demonstrations, one course of six months.

Cattle Diseases and Obstetrics, Practice of Medicine and Surgery, Materia Medica and Therapeutics, } Two courses, 2nd and 3rd years.

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum.

Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Faculty, and on written application, stating reasons.

Candidates who fail to pass in a subject of which two courses are required, may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required ; the clinical reports to include diagnosis, prognosis and treatment.

The following oath or affirmation will be exacted from the candidate before receiving the degree :—

### DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

I, ———, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

## EXAMINATIONS.

First Year.—Pass Examinations in Botany or Zoology and Histology (oral), and sessional examinations on the other subjects of the course of the year.

Second Year.—Pass Examinations in Chemistry, Physiology, Histology (written) and Anatomy, in addition to sessional examinations.

Third Year.—Pass Examination in Practice of Medicine and Surgery, General and Special Pathology, Veterinary Obstetrics, Diseases of Cattle and Materia Medica and Therapeutics.

N.B.—Sessional Examinations will be held from time to time during the session, and attendance at these is compulsory. The standing attained at these examinations will be taken into account at pass examinations.

## AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular Students before attaining that age.

Minors may pass the Examinations, but cannot receive the Diploma until they are twenty-one years of age.

## HINTS TO STUDENTS.

The Matriculation Examination which you have to undergo is by no means a severe one ; and if you are not prepared to pass it, you should begin at once to improve your education.

You had better not commence professional reading till you have become familiar with the fundamental subjects. Practice, except under the guidance of a thoroughly educated practitioner, is more likely to mislead than aid you.

It is advisable that you should arrive in Montreal before the opening day, so as to give you time to procure suitable lodgings. Endeavor by all means to be present at the introductory lectures on all subjects ; you cannot miss one lecture without thereby losing valuable preparatory information. Come prepared to procure at once the necessary text-books and note-books. Make your arrangements so as to enable you to devote your entire time and undivided attention to your studies, as the three sessions which the curriculum covers will be found none too long to accomplish the necessary proficiency in the various branches of study required of you.

## NOTICE TO GRADUATES.

For the purpose of increasing pathological material for the classes, Graduates are earnestly requested to send any interesting or obscure pathological specimens which may be met with in their practice to the Pathologist at the Veterinary College, No. 6 Union Avenue. The specimens may be sent C.O.D. by express, and will in all cases be acknowledged. A report upon the nature of the specimen will be sent if desired ; and the specimens, when of sufficient interest, will be preserved in the Museum with the names of the donors affixed.

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# ORDER OF LECTURES.

| | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. | SATURDAY. |
|---|---|---|---|---|---|---|
| 8 to 9 a.m. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Anatomy. | Practical Anatomy. |
| 9 to 10 a.m. | Practice of Medicine and Surgery. | Practice of Medicine and Surgery. | Practice of Medicine and Surgery. | Practice of Medicine and Surgery. | Practice of Medicine and Surgery. | Clinical Surgery. |
| 10 to 11 a.m. | Cattle Pathology. 2nd and 3rd Year. | Pathology. 2nd and 3rd Year. | Cattle Pathology. 2nd and 3rd Year. | Pathology 3rd Year. | Pathology. 2nd and 3rd Year. | Pathological Demonstration. |
| 11 a.m. to 12 p.m. | Practical Pharmacy and Hospital Practice. | Practical Pharmacy and Hospital Practice. | Practical Pharmacy and Hospital Practice. | Practical Pharmacy and Hospital Practice. | Practical Pharmacy and Hospital Practice. | Botany Demonstration. Practical Physiology. |
| 1 to 2 p.m. | Physiology. 2nd Year. | Physiology. 2nd Year. | Physiology. 2nd Year. | Physiology 2nd Year. | Physiology. Demonstration. 1st and 2nd year men. | Histological Demonstration. |
| 2 to 3 p.m. | * Materia Medica. | Botany. | *Materia Medica. | Botany. | | |
| 3 to 4 p.m. | Physiology. 1st Year. | Physiology. 1st Year. | Physiology. 1st Year. | Physiology. 1st Year. | Histology. | |
| 4 to 5 p.m. | Chemistry. | Chemistry. † Materia Medica 5 to 6 | Chemistry. | Chemistry. †Materia Medica 5 to 6. | Chemistry. | Examination of Horses for Soundness. |
| 8 to 10 p.m. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy. | Practical Anatomy, | |

* Union Avenue. † McGill.

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# McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, or for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

## Government of the School.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the committee of the Normal School for the Session of 1893-94.

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## NORMAL SCHOOL COMMITTEE.

The Principal of the University, *Chairman.*

Mr. Samuel Finley,
Mr. George Hague, } Governors of McGill College.

Rev. George Cornish, LL.D.,
J. R. Dougall, M.A., } Fellows of McGill University.

J. W. Brakenridge, B.C.L., *Acting Secretary.*

## OFFICERS OF INSTRUCTION.

### McGill Normal School.

Sampson Paul Robins, M.A., LL.D., *Principal and Ordinary Professor of Mathematics, and Lecturer on Art of Teaching.*
Abner W. Kneeland, M.A., *Ordinary Professor of English Language and Literature.*
Madame Sophie Cornu, *Professor of French.*
Miss Green, *Professor of Drawing.*
Mr. R. J. Fowler, *Instructor in Music.*
Lilian B. Robins, B.A., *Assistant to the Principal, and Instructor in Classics.*
Mr. W. H. Smith, *Instructor in Tonic Sol-Fa.*
Mr. Jno. P. Stephen, *Instructor in Elocution.*

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Orrin Rexford, B.Sc., *Head Master of Boys School.*
Miss Mary J. Peebles, *Head Mistres of Girls' School.*
Miss Lucy H. Derick, *Head Mistress of Primary School.*

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## ANNOUNCEMENT FOR THE SESSION 1893-94.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The thirty-eighth session of this School will commence on the first of September, 1893, and close on the thirty-first of May, 1894. The complete course of study extends over four years, and the Students are graded as follows :—

1.—*Elementary School Class.*—Studying for the Elementary School Diploma.

2.—*Model School Class.*—Studying for the Model School Diploma.

3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

## I. TERMS OF ADMISSION.

(*Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.*)

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance into the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography and arithmetic ; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who have passed at the A.A. examinations, taking two-thirds of the aggregate marks, and who have passed in French, and all holders of Model Schoo diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted to the Elementary School Class not later than the close of the Christmas vacation. No teacher-in-training admitted later than the 1st of October shall share in that part of the bursary fund which is distributed at Christmas.

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In exceptional cases the Principal of the Normal School may admit to the classes on trial persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the School by the Principal whenever he may judge it best so to do; but none shall be permitted to enter or to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled. (*See Note c.*)

II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examinations, the sum of $400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of $800 will be divided at the close of the sessional examinations. The remainder of the bursary fund will be divided as an allowance for travelling expenses among teachers-in-training residing in the Province of Quebec at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none other shall be entitled to this privilege nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations of the Normal School, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the Professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

All holders of Elementary School diplomas obtained by reaching

the standards defined above shall be entitled to admission to the Model School Class, none others without the special permission of the Principal. Such holders of Elementary School diplomas as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts of the Universities. They may be examined either at the examinations for the Associate in Arts in June or at those for the matriculation in autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be arranged by the Principal from time to time, in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the Universities, such students will be entitled to receive Academy diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Bishop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

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6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent to students who have taken Academy diplomas as above to continue for two years longer at the University, or to return thereto, after teaching for a time, in order to take the degree of Bachelor of Arts ; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations, with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek respectively, shall be admitted without further examination to the first year in Arts of the McGill University ; but all such Students must make good their standing in the University at the Christmas examinations.

Teachers-in-training, who do not attain the standard defined above, must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemption from fees in the second year will be granted to the three students entering from the Normal School, who, with creditable standing in all their examinations at the close of the first year in Arts, have taken the highest aggregate of marks of any Normal School Students of their year.

IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled.

Each professor shall have the power of excluding from his lectures any Student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal. (*See Note c.*)

## V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction each student will be required to attend public worship at his own church, at least once every Sunday.

## VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence, and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

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8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging house keepers are required to report, as soon as possible, all cases of serious illness and all infractions of rules touching boarding houses.

## VII. ACADEMY DIPLOMAS TO GRADUATES.

*Granted under the Regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin, Greek and French in the Degree Examinations, or who have taken at least second class standing in these subjects at their Intermediate Examinations, shall be entitled to receive first class Academy diplomas, provided that they have also taken a regular course in the Art of Teaching at the McGill Normal School, or other public training institution outside the Province, approved by the Protestant Committee.

Graduates who have not passed in French, as prescribed above, may, on application, be examined in that subject before the Principal of the McGill Normal School, and, if satisfactory, such examination shall be accepted in lieu of the prescribed standing in French in the University examinations.

To meet the requirements of Graduates and Undergraduates in Arts, who, not having previously taken a Normal School course, desire to receive Academy diplomas of the first class under regulation 54, provision has been made for the delivery of a course of forty lectures on Pedagogy in the Normal School and for practice in teaching in the McGill Model School for forty half days, open to Graduates in Arts of any British or Canadian University, to Undergraduates of the third year, and, with the permission of the Faculty and the concurrence of the Principal of the Normal School, to those of the fourth year.

Undergraduates will be permitted to teach the forty half days referred to above, at times extending over the sessions of the Model School, corresponding to the third and fourth years of their college course. Graduates will be permitted to teach in the Model Schools at such times as may be agreed on with the Principal.

All persons taking this course of study in the Normal School shall be held to be subject to the regulations of the said school, and to be under the supervision of its Principal while in attendance thereat.

Graduates who have taken the above course of study in Pedagogy, and the first class Academy diploma, may be entered, if so desired by them, in the published lists of the University as holders of such diplomas.

Undergraduates who hold Model School diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas.

Teachers who hold (*a*) Academy diplomas granted before the 1st July, 1886, or (*b*) second class Academy diplomas granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the Committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (*a*) the requisite certificates of age and of good moral character, according to Form No. 1, below, and (*b*) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction for an Academy diploma of the class to which he is entitled under these regulations.

FORM OF CERTIFICATE OF CHARACTER TO BE SUBMITTED BY CANDIDATES FOR ACADEMY DIPLOMAS.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing ..... for the ..... last past; that during all such time *his* life and conduct have been without reproach; and I affirm that I believe *him* to be an upright, conscientious, and strictly sober *man*."

*This certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners, or Trustees or Visitors.*

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## VIII. NOTES ON THE PRECEDING REGULATIONS.

*Chiefly extracted from the by-Laws of the McGill Normal School.*

(*a*) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate of good character and of agreement to teach for three years in some Public School in the Province of Quebec.

(*b*) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals, and in the division of words into syl'ables; to give the names and state the positions of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, rivers, and the chief political divisions and most important cities of the world; and to work correctly examples in the simple rules of arithmetic and in fractions.

(*c*) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reasons, accompanied, in case of failure of health, by medical certificates.

(*d*) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in-training of the Model School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Lord Stanley silver medal shall be given to that teacher-in-training of the Academy class, who at the University Intermediate Examinations has passed for a diploma with the highest aggregate of marks. If in any year there are teachers-in-training in two Universities, the Principal of the Normal School, in view of the examinations set, and of the number of marks reported for each examination, shall determine to whom this medal shall be awarded.

(*e*) In order to be recognized as teachers-in-training for the Academy diploma, Students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts.

Having entered college, they must report to the Principal of the Normal School from time to time, as he may require, and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid.

(*f*) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(*g*) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from $12 to $16 per month.

## IX COURSE OF STUDY.

N.B.—The subjoined Course of Study has been designed, and all instruction in it is given with express reference to the work of teaching.

### 1. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms as follows:—

FIRST TERM, from September 1st to December 3rd.

(*Entrance Examination as stated above.*)

*English.*—The structure of sentences. Orthography and orthoëpy. Penmanship. The study of Milton's L'Allegro, and the Sermon on the Mount, Matt. V, VI and VII.

*Geography.*—General view of continents and oceans. North and South America. Eléments de Géographie moderne.

*History.*—Outline of general history. Histoire du Canada, en français.

*Arithmetic.*—Simple and compound rules.

*Algebra.*—The elementary rules.

*Geometry.*—Elementary notions, with Mensuration.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Chemistry.*—Lectures.

*Reading and Elocution.*

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*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

SECOND TERM, January 6th to end of Session.

(*No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.*)

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Macaulay's Essay on Milton and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of the Old World.

*History.*—Sacred. Histoire du Canada continuée.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of Numbers.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity, with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures continued.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode naturelle.

*Botany.*—High School Botany, Spotten.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each Student of the Elementary School Class must be provided with an Atlas of recent date, an Arithmetic, an Algebra, and a Euclid.

## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the School in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English Language. Study of Shakespeare's Tempest, Scott's Lady of the Lake, Tennyson's Lotus Eaters.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Greece, England.

*Art of Teaching.*—Lectures on the principles of education, especially on those derived from the mental and moral nature of the child.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar, Cæsar, Gallic War, Book I.

*French.*—Translation from French into English, and from English into French. Darey's Principes de Grammaire. Eléments de Littérature française, Lectures française, Méthode Berlitz, Histoire de France.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such Students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, Anabasis, Book I., and Virgil, Æneid, Book I., with special attention to Greek and Latin Grammar.

Other Students of exceptional ability may, with the consent of the Principal and the Professors of the several subjects, choose one of the following courses of extra study :—

(*a*) Mathematics : trigonometry.

(*b*) Old English.

(*c*) French : classiques françaises, composition et grammaire.

(*d*) Drawing : water-color.

(*e*) Music : violin.

In addition to the text-books named above, each Student of the Model School Class must be provided with an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture.

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## 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

Will follow two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and receiving a bursary from the Normal School, not exceeding $30 per annum, and such tutorial assistance as may be deemed necessary. Such Students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in McGill College, for first year Students, is :—

*Greek.*—Homer, Iliad, Book XXII. Zenophon, Hellenics, Book I. Studies in History and Literature.

*Latin.*—Cicero, De Amicitia. Virgil, Æneid, Bks. II. and III.—Translation at sight. Studies in History and Literature. Latin Prose Composition.

*Mathematics.*—Arithmetic. Euclid, six books. Algebra to end of Quadratic Equations. Plane Trigonometry, in part.

*English Language and Literature.*—First term. English Composition, one lecture a week ; English Literature, two lectures a week.

Second term.—Milton's Comus, one lecture a week. English Literature, in continuation of previous course, two lectures a week. The whole course will present an outline of English Literature from the Anglo-Saxon period to the Elizabethan inclusive.

The course for second year Students is :—

*Greek.*—Plato, Apology. Æschylus, Prometheus Vinctus. History of Greece

*Latin.*—Horace, Epistles, Bk. I., 1, 2 and 6. Livy, Bk. XXI. Translation at sight, and Latin Prose Composition.

*Mathematics.*—Arithmetic, Euclid, Algebra and Trigonometry as before. Logarithms. Plane Trigonometry, including solution of triangles and applications.

*Mathematical Physics.*—Mechanics, one lecture a week.

*English Literature.*—A period of English Literature and one play of Shakspere. During the session of 1893-94 : The leading poets of the nineteenth century. Shakspere, A Midsummer Night's Dream. Tennyson, Gareth and Lynette.

*Psychology and Logic.*—First Term, Elementary Psychology (*Text-Book:* Murray's Handbook of Psychology, book I). Second Term, Logic (*Text-Book:*—Jevon's Elementary Lessons in Logic).

*French.*—Ponsard, l'Honneur et l'Argent. Racine, Esther. Contanseau, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle, Translation into French :—Dr. Johnson, Rasselas. Dictation. Parsing. Colloquial exercises.

The course in Bishop's College for the current year is:—

*Greek.*—Euripides, Hippolytus; Xenophon, Memorabilia III.

*Latin.*—Horace, Odes II; Cicero, pro Roscio.

*English.*—Rhetoric and Grammatical Analysis, with a course of Lectures on English Literature.

*History.*—Greek and Roman.

*French.*—Translation, Grammar and Composition.

*Mathematics.*—Euclid, Books I., II., III., IV., VI. and XI. Algebra to Progressions. Arithmetic.

*Physics.*—Balfour Stewart's Elementary.

## SYLLABUS OF LECTURES ON PEDAGOGY.

(Open to Graduates and Undergraduates.)

### The Legal Position of the Teacher.

1. The organization of Public Instruction in Quebec. 2. The relation of the teacher to the Department of Public Instruction and to the Protestant Committee of the Council of Public Instruction. 3. The relation of the teacher to school commissioners and parents. 4. The relation of the teacher to pupils. 5. The teacher as a member of a profession.

### Discipline.

6. Discipline as a means of immediate pleasure to pupils. 7. Discipline as tending to school success. 8. Discipline as a preparation for life. 9. Discipline developing character. 10. Discipline enforced by authority.

### Instruction in Special Subjects.

11. English reading, writing, grammar. 12. Literature, composition. 13 French. 14. The classics. 15. Number; arithmetic and algebra. 16. Form; geometry. Number and form; trigonometry and mensuration. 17. Geography and history. 18. Botany and chemistry. 19. Drawing and music. 20. The acquisition of general knowledge.

### Physical Development.

21. Health. 22. Growth. 23. The training of the eye. 24. The training of the ear. 25. The training of the hand.

### Mental Development.

26. The training of the analytic faculty. 27. Observation and experiment. 28 The training of the synthetic faculty. 29. Understanding. 30. Judgment and reason. 31. Invention. 32. Imagination. 33. Memory of sensations. 34. Memory of conceptions. 35. Verbal memory.

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MORAL DEVELOPMENT.

36. Training in truthfulness. 37. In justice and purity. 38. In philanthropy and patriotism. 39. In earnestness. 40. In good manners.

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## MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

Boys' School—Orrin Rexford, B.Sc., *Head Master.*

Elizabeth Reid,
Elizabeth Pehlemann, } *Assistants.*

Girls' School.—Mary J. Peebles, *Head Mistress.*

Lillie L. Orr,
Ida Roulston, } *Assistants.*

Primary School—Lucy H. Derick, *Head Mistress.*

Annie L. Woodington,
Clara L. Douglas, } *Assistants.*

Louise Derick, *Kindergarten.*

These Schools can accommodate about 400 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of four and upwards, and give a thorough English education. Fees: Boys' and Girls' Model Schools $1.00 to $1.50 per month; Primary School and Kindergarten, 75c.; payable monthly in advance.

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# University School Examinations.

1894.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

HELD UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE; AND RECOGNIZED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

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These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls from any Canadian school.

## PART I.—ORDINARY A.A.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

*Writing.*
*English Dictation.*
*English Grammar, including easy Analysis.*
*Arithmetic* (all the ordinary rules, including Square Root and a knowledge of the Metric System).
*Geography* (acquaintance with the maps of each of the four continents, and of British North America).
*British History* and *Canadian History.*
*New Testament History* *(Gospels and Acts, as in Maclear).

---

* Candidates will be exempted from examination in this subject only if their parents or guardians make written objection thereto.

II. Optional Subjects.

## Section 1.—Languages.

*Latin :—*

| | |
|---|---|
| Caesar.—Bell. Gall., Bk. I.<br>Virgil.—Aeneid, Bk. I.<br>Latin Grammar and Prose Composition (Collar's Practical Latin Composition, Part III, Book I., or an equivalent). | 200 marks |

*Greek :—*

| | |
|---|---|
| Xenophon.—Anabasis, Bk. I.<br>Homer.—Iliad, Bk. IV.<br>Greek Grammar. | 200 do |

*French :—*

| | |
|---|---|
| Grammar and Dictation.<br>Darey's Lectures Françaises (selected extracts).<br>Re translation, English into French. | 100 do |

*German :—*

| | |
|---|---|
| Grammar,<br>Adler's Reader, Sections I. and II.<br>Translation from German into English. | 100 do |

## Section 2.—Mathematics.

*Geometry :—*

| | |
|---|---|
| Euclid, I., II., III., with easy Deductions ..... ..... ..... | 100 do |

*Algebra :—*

| | |
|---|---|
| Elementary Rules, Involution, Evolution, Fractions, Indices, Surds, Simple and Quadratic Equations of one or more unknown quantities. | 100 do |

*Plane Trigonometry :—*

| | |
|---|---|
| (As in Hamblin-Smith, pp. 1-100 omitting Ch. XI). | 100 do |

## Section 3.—English.

*The English Language :—*

| | |
|---|---|
| Meiklejohn's English Language, Pts. I., II., III.<br>Trench's Study of Words. | 100 do |

*English Literature :—*

| | |
|---|---|
| Meiklejohn's English Language, Pt. IV.<br>Shakspere, Julius Caesar.<br>Scott's Lady of the Lake. | 100 do |

| | |
|---|---|
| *History.*—(As in Primers of Greece and Rome, and Collier's Great Events ..... | 100 marks |
| *Geography.*—Physical, Political and Commercial ..... | 100 do |

## Section 4.—Natural and Physical Sciences, etc.

| | |
|---|---|
| *Zoology* (as in Nicholson's Introductory Text-Book) ..... | 100 do |
| *Botany** (as in Spotton's High School Botany, with Penhallow's Guide to the Collection of Plants, and Blanks for Plant Descriptions†) ..... | 100 do |
| *Chemistry* (as in Remsen's Elements of Chemistry, pp. 1 to 160). | 100 do |
| *Physiology and Hygiene* (as in Cutter's Intermediate)..... | 100 do |
| *Physics* (as in Gage and Fessenden's High School Physics, Chapters I., II., III.) ..... | 100 do |
| *Geometrical and Freehand Drawing*..... ..... | 100 do |

*Geometrical.*—Vere Foster $R^1$ and $R^2$, also problems 119 to 129 of $R^3$.

*Freehand.*—Rules of Perspective, Drawing from the object (as in the Dominion Freehand Drawing books, numbers 1 to 5, inclusive).

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## REGULATIONS.

1. To obtain the Certificate of Associate in Arts, Candidates must pass in all the Preliminary subjects, and also in any six of the Optional subjects, provided that the six include one subject at least from each of the four Sections.

2. In addition to the six Optional subjects selected for passing, Candidates may take other Optional subjects, but the total possible number of marks obtainable in all the Optional subjects chosen must not exceed 1000.

3. Candidates will not be considered as having passed in any subject, unless they have obtained at least 40 per cent. of the total number of marks obtainable in that subject ‡

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* In connection with the Botany examination, marks will be given for collections of mounted specimens made in accordance with Penhallow's Guide to the Collection of Plants. The Head Teacher of each school will forward with the answers a specimen from each pupil's collection, and also (on a furnished form) a detailed statement as to the collections made. Not more than 50 specimens will be expected to constitute a collection, and marks may be allowed *pro rata* for fewer.

† These Blanks may be obtained from booksellers in Montreal or elsewhere.

‡ When *two or more books or subjects are prescribed for one examination it is necessary to pass in each.* Candidates will not be allowed to pass in the Preliminary Grammar, unless they show a satisfactory knowledge of Syntax (Parsing, Analysis, and questions connected therewith). In Classics, at least one-third of the marks allotted to grammar must be obtained.

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4. The total number of marks gained by every Candidate in the Optional subjects shall be added up, and the Candidates arranged in order of merit in a printed list at the close of the Examination, those who are over 18 years of age on the first day of June being in a separate list. The marks in any subject shall not be counted if the Candidate has obtained less than 40 per cent. in that subject.

5. Candidates who obtain at least 67 per cent. of the marks in any Optional subject shall be considered as having answered creditably in that subject, and special mention of the same will be made in the Associate in Arts Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science. (See Note 2 *infra*.)

7. Candidates who fail, or who may be prevented by illness from completing their examination, may come up at the next examination without extra fee.

8. Candidates who pass in all the Preliminary subjects may, at any subsequent examination, take the Optional subjects only, and without extra fee.

9. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

10. The examinations will begin on Monday, June 4th, at 9 a.m.

11. Lists of the names, ages, and Optional subjects to be taken by the Candidates, together with a fee of $4 for each Candidate, must be transmitted to the Secretary, McGill University, Montreal, on or before May 1st. (Blank forms and copies of the regulations will be furnished on application.)

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Extracts from Darey's Lectures Françaises, for the examination of 1894.

Extracts beginning on pp. 10, 13, 15, 20, 32, 33, 37, 42, 47, 51, 56, 63, 68, 74, 76, 85, 87, 92, 94, 99, 103, 110, 118, 125, 129, 133, 144, 149, 151, 156, 158, 162, 166, 169, 176, 179, 182, 196, 215.

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NOTE 1.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee; but in order to obtain the certificate from the Universities, the prescribed fee, viz., $4 must be paid to the Secretary of the University Examiners.

Candidates who pass Grade II of the Academy Course of Study will be exempted from the Preliminary Subjects of the A.A. Examination.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the English Secretary, Department of Public Instruction, Quebec.

NOTE 2.—MATRICULATION SUBJECTS REFERRED TO IN REG. 6.

*In Arts.*—Greek, Latin, Geometry, Algebra, Arithmetic, English Dictation, English Grammar, British History. (Women may substitute French for Greek.)

*In Applied Science.*—Geometry (Euclid, Bks. I. to IV., VI., and definitions of Bk. V.), Algebra, Trigonometry, Arithmetic, English Dictation, English Grammar, British History.

After entrance in Arts or Applied Science, French or German must be studied. In the former subject an entrance examination is required, but may be passed either in June or in September; Candidates who are unable to pass must study German after entrance. Women who omit Greek must pass the entrance examination in French, and afterwards study both French and German. (In 1895 and afterwards, women must pass in Greek or German.)

[Matriculation Examinations are also held at the opening of the University Session in September. See Calendars of the Universities.]

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## PART II.—ADVANCED A.A.

### SUBJECTS OF EXAMINATION.

I. PRELIMINARY SUBJECTS.

As under Part I.

II. OPTIONAL SUBJECTS.

### Section I.—Languages.

*Latin :—*

Virgil.—Aeneid, I.

Cicero.—In Catilinam, I. and II.

Grammar, Prose Composition (Collar's Practical Latin Composition, Parts III. and IV.), and Translation at sight from Caesar and Nepos.

*Greek :—*

Xenophon.—Anabasis, I. and II.

Homer.—Iliad, IV., and Odyssey, VII.

Grammar and Prose Composition (Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25).

*French :—*

Lamartine, Jeanne d'Arc.

Molière, Le Bourgeois gentilhomme.

Translation at sight from French into English, and from English into French.

Grammar and Dictation.

*German :—*

Lessing, Emilia Galotti.

Schiller, Der Kampf mit dem Drachen.

Grammar and translation from English into German.

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## Section 2.—Mathematics.

*Geometry* :—

Euclid, Bks. I to IV., Defins. of Bk. V., Bk. VI.

*Algebra* :—

To the end of Progressions.

*Trigonometry* :—

As in Hamblin Smith (the whole).

## Section 3.—English.

*The English Language* :—

Lounsbury's History of the English Language.
Mason's English Grammar.
A composition.

*English Literature* :—

Meiklejohn's English Language, Pt. IV.
The Elizabethan Period (Morley's First Sketch).
Milton's Paradise Lost, Bks. I and II.

*History* :—

Grecian History.—The Persian and Peloponnesian Wars.
Roman History.—From the Wars of Marius and Sulla to the death of Tiberius.
English History.—The Reformation and Puritan England, as in Green's Short History.

## Section 4 —Natural and Physical Sciences, etc.

*Botany*.—Gray's Text-Book.

General Morphology and Classification, Determination of Canadian species, exclusive of Thallophytes. Distribution of Orders represented in Canada.

Credit will be given for collections of plants as under Part I.

*Chemistry*.—Inorganic, as in Remsen's Elements.

Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Physics*.—As in Gage and Fessenden's High School Physics.

Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Drawing*.—Orthographic Projection, including Simple Penetrations, Developments and Sections, as in Davidson's Orthographic Projection.

## REGULATIONS.

The Regulations of Part I., with the following modifications and additions, will apply to the advanced subjects :—

1. Candidates who pass in six of the advanced subjects (including one at least from each of the four Sections) will receive an Advanced A.A. certificate. The number of marks given to each subject will be the same as in Part I., and additional advanced subjects may be taken as in Reg. 2, Part I.

2. Candidates who fail in one or more of the subjects required for the advanced A.A. may, on the recommendation of the Examiners, be given an ordinary A.A. certificate.

3. The examinations in the advanced subjects will be held at the same time and in the same manner as those in the ordinary subjects. They will be open to all who have already passed in the preliminary subjects, whether they have taken the ordinary A. A. or not. The preliminary subjects must be taken either one or two years before the advanced subjects.

4. Candidates who pass the advanced examinations in Greek, Latin, Geometry, Algebra, and English Language* shall be considered as having passed the Higher Matriculation Examination of the First year in Arts, McGill University.

5. Candidates must, before May 1st, give notice of intention to present themselves for the examination, specifying the optional subjects in which they wish to be examined.

6. The ordinary fee of $4.00 must be paid before taking the preliminary subjects, and an additional fee of $10.00 at the time of making application for the advanced examinations. † A Candidate who fails to pass the Advanced A.A. Examination shall be required to pay a fee of $5 for every subsequent Advanced A.A. Examination at which he may present himself.

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* French as in Part I, Note 2.

† Candidates from Academies under the control of the Protestant Committee of the Council of Public Instruction are exempt from the former fee, but not from the latter.

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# LIST

OF

# SUCCESSFUL CANDIDATES

## STANDING IN THE EXAMINATIONS, 1893.

### ADVANCED ASSOCIATES IN ARTS.

| No. | | Marks. |
|---|---|---|
| 43. | Malcolm McKay (Collegiate Institute, Montreal), | 584 |
| 64. | William Chubb (High School, St. Johns), | 486 |

### ASSOCIATES IN ARTS.

*I. Under 18 years of age.*

| No. | | Marks. |
|---|---|---|
| 110. | John Bruce (Huntingdon Academy), | 937 |
| 1. | John Wainwright Bell (High School, Montreal), | 915 |
| 2. | John George Browne (High School, Montreal), | 901 |
| 13. | Clarence Thomson (High School, Montreal), | 853 |
| 46. | Helen Redpath (Trafalgar Institute, Montreal), | 849 |
| 6. | Harold Ernest Ker (High School, Montreal), | 839 |
| 67. | David Walter Munn (High School, Quebec), | 835 |
| 38. | Andrew R. McMaster (Collegiate Institute, Montreal), | 801 |
| 39. | James Norris (Collegiate Institute, Montreal), | 791 |
| 25. | Janet I. Radford (Girls' High School, Montreal), | 789 |
| 7. | Lawrence Macfarlane (High School, Montreal), | 785 |
| 34. | Campbell Howard (Collegiate Institute, Montreal), | 784 |
| 14. | Arthur Kingsley Trenholme (High School, Montreal), | 772 |
| 11. | John Godfrey Saxe (High School, Montreal), | 771 |
| 28. | Roland Campbell (Collegiate Institute, Montreal), | 769 |
| 61. | Hattie A. Smith (Girls' High School, St. John, N.B.), | 763 |
| 53. | Margaret L. Holden (Girls' High School, St. John, N.B.), | 760 |
| 48. | Helen G. Allison (Girls' High School, St. John, N.B.), | 755 |
| 22. | Naomi Molson (Girls' High School, Montreal), | 750 |
| 91. | Havelock T. Lippiatt (Granby Academy), | 749 |
| 26. | A. Louisa Shaw (High School, Montreal), | 743 |
| 16. | Ellen Armour (Girls' High School, Montreal), | 729 |
| 10. | Louis Rogalsky (High School, Montreal), } equal | 721 |
| 68. | Eleanor Bonham Girls') High School, Quebec, } | |
| 104. | Mildred May Rhicard (Waterloo Academy), | 710 |
| 27. | Amy Sternberg (Girls' High School, Montreal), | 698 |
| 44. | Georgina Archibald (Trafalgar Institute, Montreal), | 683 |

| No. | | Marks. |
|---|---|---|
| 4. | Henri Alfred Coussirat (High School, Montreal), | 670 |
| 3. | James Cayford (High School, Montreal), | 669 |
| 92. | Eva R. Ross (Granby Academy), | 657 |
| 42. | James Stevenson (Collegiate Institute, Montreal), | 649 |
| 35. | Ashton Kerr (Collegiate Institute, Montreal), | 647 |
| 85. | Charles H. Pope (St. Francis College, Richmond), | 645 |
| 15. | John James Willis (High School, Montreal), | 644 |
| 9 | Norman Charles Pitcher (High School, Montreal), | 643 |
| 121. | Frances Leta Hart (Cowansville Academy), | 642 |
| 103. | Clara Eliza Slack (Waterloo Academy), | 630 |
| 149. | Ella Victoria Jackson (Coaticook Academy), | 612 |
| 159. | Charles J. Vancor (Knowlton Academy), | 611 |
| 90. | Maggie McChalmers (Granby Academy), | 599 |
| 24. | Bertha O'Connor (Girls' High School, Montreal), | 590 |
| 100. | Kenneth Erskine (Waterloo Academy), | 589 |
| 54. | Annie B. Honeywell (Girls High School, St. John, N.B.), | 580 |
| 180. | Lily Ina Elliott (Lennoxville Model School), | 555 |
| 167. | Georgie Henrietta Learned (Cookshire Model School), | 547 |
| 62. | Lucy A. Tippett (Girls' High School, St. John, N.B.), | 545 |
| 140. | Hanna W. Hills (Lachute Academy), | 544 |
| 40. | Robert B. Ross (Collegiate Institute, Montreal), | 539 |
| 49. | Lily A. Belyea (Girls' High School, St. John, N.B.), | 530 |
| 41. | Colin K. Russel (Collegiate Institute, Montreal), | 525 |
| 17. | May C. Bickerdike (Girls' High School, Montreal), | 522 |
| 168. | John Robert McPhadden (Cookshire Model School), | 513 |
| 33. | John R. Edwards (Collegiate Institute, Montreal), | 509 |
| 185. | William Ross (Model School, Paspebiac), | 507 |
| 23. | Fannie M. Murphy (Girls' High School, Montreal), | 505 |
| 132. | Joseph Adam Lomas (Sherbrooke Young Men's Academy), | 492 |
| 385. | James William Thompson (Clarendon Model School), | 491 |
| 155. | Rupert Chamberlin (Knowlton Academy), | 487 |
| 144. | Merrick A. Leet (Danville Academy), | 468 |
| 127. | Nina Gertrude Hodgins (Shawville Academy), | 464 |
| 102. | Ida May Pearson (Waterloo Academy), | 449 |
| 45. | Kathleen Finley (Trafalgar Institute, Montreal, | 445 |
| 137. | Emma E. Creswell (Lachute Academy), | 441 |
| 124. | Elizabeth Bockus (Bedford Academy), | 429 |
| 118. | Anna Estelle Allen (Cowansville Academy), | 427 |
| 161. | Charles E. Jeakins (Hemmingford Model School), | 423 |
| 184. | Theodora Christie (Model School, Paspebiac), | 422 |
| 122. | Edith Carleton Hall (Cowansville Academy), | 421 |
| 153. | Frederic Walter Vaughn (Coaticook Academy), } equal | 416 |
| 158. | Nathaniel Scott (Knowlton Academy), } | |
| 74. | Rodger Allen Dunlop (Stanstead Wesleyan College), | 414 |

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| No. | | Marks. |
|---|---|---|
| 95. | John A. McDonald (Côte St. Antoine Academy), | 412 |
| 21. | Agnes C. Hood (Girls' High School, Montreal), | 396 |
| 152. | Edith Elizabeth Samson (Coaticook Academy), | 394 |
| 84. | Edward R. Paterson (St. Francis College, Richmond), | 376 |
| 176. | Fred. Norman McKay (Mansonville Model School), | 375 |
| 142. | Ida C. Patenaude (Lachute Academy), | 369 |
| 57. | Grace A. Paisley (Girls' High School, St. John, N.B.), | 356 |
| 101. | Margaret Mary Matheson (Waterloo Academy), | 350 |
| 183. | Ormasinda Stevens (Lennoxville Modern School), | 348 |
| 162. | Lilian F. Swanson (Waterville Model School), | 345 |
| 73. | Margaret Buchanan (Stanstead Wesleyan College), | 339 |
| 131. | Andrew Graham Campbell (Sherbrooke Young Men's Academy), | 337 |
| 163. | Bertha Jane Castle (Sutton Model School), | 335 |
| 99. | Annie Elizabeth Boothe (Waterloo Academy), | 330 |
| 8. | Robert Laing Montgomery (High School, Montreal), | 312 |
| 96. | Edith Jarvis (Cote St. Antoine Academy), | 306 |
| 170. | Levi Thomas Miller (Cookshire Model School), | 285 |
| 82. | William John Ewing (St. Francis College, Richmond), | 259 |

*II. Over 18 years of age.*

| | | |
|---|---|---|
| 114. | William McNaughton (Huntingdon Academy), | 857 |
| 94. | Jennie A. Topp (Granby Academy), | 746 |
| 80. | Herbert E. Whitcher (Stanstead Wesleyan College), | 701 |
| 60. | Myrtle Seely (Girls' High School, St. John, N.B.), | 665 |
| 182. | Louisa Sophia Stevens (Lennoxville Model School), | 664 |
| 112. | Arthur Cunningham (Huntingdon Academy), | 634 |
| 47. | Annie White (Trafalgar Institute, Montreal), | 606 |
| 36. | Stanley McBean (Collegiate Institute, Montreal), | 594 |
| 55. | Ethel H. Jarvis (Girls' High School, St. John, N.B.), | 529 |
| 125. | John William Armstrong (Shawville Academy), | 482 |
| 165. | Elizabeth Agnes Dobie (Cookshire Model School), | 470 |
| 59. | Georgina S. Scammell (Girls' High School, St. John, N.B.), | 458 |
| 113. | Eva Lewis (Huntingdon Academy), | 440 |
| 63. | Martha E. Tippett (Girls' High School, St. John, N.B.), | 435 |
| 98. | Christiana McKenzie (Girls' Academy, Sherbrooke), | 426 |
| 139. | William B. Heeney (Lachute Academy), | 415 |
| 12. | Walter Stewart (High School, Montreal), | 403 |
| 181. | Jennie Dale McCulloch (Lennoxville Model School), | 344 |
| 173. | Nellie Theodosia Wheeler (Cookshire Model School), | 343 |
| 179. | Alberta May Willard (Marbleton Model School), | 334 |
| 75. | Maud Edith Heath (Stanstead College), | 319 |
| 81. | Lorne Cairnie (St. Francis College, Richmond), | 287 |

## PASSED THE PRELIMINARY SUBJECTS.

(In order of numbers).

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 51 | 83 | 128 | 130 | 186 | 187 | 194 | 195 | 197 | 200 | 202 | 203 | 204 |
| 207 | 210 | 211 | 215 | 217 | 219 | 227 | 228 | 229 | 230 | 233 | 237 | 238 | 239 |
| 241 | 243 | 244 | 245 | 248 | 249 | 251 | 256 | 258 | 260 | 264 | 267 | 268 | 270 |
| 271 | 275 | 278 | 281 | 282 | 284 | 285 | 288 | 289 | 291 | 292 | 293 | 294 | 296 |
| 297 | 299 | 300 | 301 | 303 | 304 | 305 | 307 | 308 | 309 | 310 | 311 | 312 | 386 |

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## McGILL UNIVERSITY, MONTREAL.

JUNE, 1893.

The following Candidates have passed the Examinations required for Entrance.

*I. In Arts.*

Allison, Helen G., St. John, N.B.
Archibald, Georgina, Cow Bay, C. B.
Armour, Helen, Montreal Q.
Belyea, Lily A., St. John, N.B.
Bockus Elizabeth, Bedford, Q.
Bonham, Eleanor, Quebec, Q.
Bowles, C. T., Ottawa, Ont.
Browne, John George, Montreal, Q.
*Bruce, John, Huntingdon, Q.
*Campbell, R., Cote St. Antoine, Q.
Chalmers, Maggie M. Granby, Q.
Coussirat, Henri Alfred, Montreal, Q.
*Cunningham, Arthur, Huntingdon, Q.
Dyke, Carroll Dana, Coaticook, Q.
Eastman, Fred. S. Chapleau, Ont.
*Edgar, Lorne, Montreal, Q.
*Edwards, Fred., Inverness, Q.
Emerson, Annie, St. John, N. B.
Erskine, Kenneth, Waterloo, Q.
Finley, Kathleen, Montreal, Q.
Fraser, Simon L., Hawkesbury, Ont.
Galt, Annie Prince, Montreal, Q.
Gibb, John W., Vancouver, B.C.
Hart, Frances Leta, Cowansville, Q.
Haughton, Chris., Reid's Mills, Ont.
Hills, Hanna W., Lachute, Q.
Holden, Margaret L., St. John, N.B.
Honeywell, Annie B., St. John, N.B.
*Howard Campbell, Montreal, Q.
Jackson, Ella Victoria, Coaticook, Q.
Jarvis, Ethel H., St. John, N.B.
Ker, Harold Ernest, Montreal, Q.
Learned, Georgia Hen., Cookshire, Q.
Leet, Merrick A., Danville, Q.
Lewis, Eva, Huntingdon, Q.
*Lipsey, John, Inverness, Q.
Macfarlane, Lawrence, Montreal, Q.
Mallinson, S. H., Radnor Forges, Q.
Matthews, Robt., J., Ashton, Ont.
*McBean, Stanley, Montreal, Q.
McGibbon, A. A., Hawkesbury, Ont.
McLean, A. K., Berwick, Ont.
McLean, Donald, Berwick, Ont.
McLennan, A. A., Williamstown, Ont.
McLeod, Ernest E., Vancouver, B.C.
*McNaughton, Wm., Huntingdon
McPherson, John A., Lancaster, Ont.
*Munn, David Walter, Quebec.
*Norris, James, Montreal, Q.
Paisley, Grace A., St. John, N.B.
Pearson, Ida May, Waterloo, Q.
Plaisance, Percis Luvia, Cookshire, Q.
Pope, Chas. H., Sydenham Place, Q.
Radford, Janet J., Montreal, Q.
Redpath, Helen, Montreal, Q.
Rhicard, Mil. May, Waterloo, Q.
Ross, Eva R., Granby, Q.
*Rowatt, Donald, Huntingdon, Q.
*Russell, Colin K., Montreal, Q.
Saxe, John Godfrey, Montreal, Q.
Seely, Myrtle, St. John, N.B.
Shaw, A. Louisa, Montreal, Q.
Slack, Clara Eliza, Waterloo, Q.
Smith, E. J., Almonte, Ont.
Smith, Geo. Wm., Almonte, Ont.
Smith, Hattie A., St. John, N.B.
Steacy, F. W., Montreal, Q.
Sternberg, Amy, Montreal, Q.
Stevens, Louisa S., Lennoxville, Q.
*Stevenson, James, Montreal, Q.
Tippett, Lucy A., St John, N.B.
Tippett, Martha E., St. John, N.B.
Topp, Jennie A., Granby.
Trenholme, Arthur K., Montreal, Q.
Turner, Henry, Appleton, Ont.
Whitcher, Herbert E., Derby Line, Vt.
White, Annie, Montreal, Q.
Willis, John James, Montreal, Q.
Worthington, Edward, Brockville, Ont.
Wyman, Hiram B., Chute à Blondeau.

*II. In Applied Science.*

Aylmer, Arthur L., Montreal, Q.
Bell, John Wainwright, Montreal, Q.
Bickford, Oscar, Toronto, Ont.
Blair, David E., Chicoutimi, Q.
Cayford James, Montreal, Q.
Colson, Chas. Herbert, Montreal, Q.
Connal, Wm., Peterboro, Ont.
Desbarats, Chas. Hy. H., Montreal, Q.
Guthrie, Norman, Guelph, Ont.
Haskell, Chs. Thomson, Georgia, U.S.
Karn, Frank H., Woodstock, Ont.
Kerr, Ashton, Montreal, Q
Lippiatt Havelock T., Granby, Q
Mathewson, N. S., Pictou, N.S.
McDermot, Michael S., Montreal, Q.
McDonald, P., Pictou, N. S.
Packard, Frank L., Woodstock, Ont.
Pitcher, Norman Chs., Montreal, Q.
Rogalsky, Louis, Montreal, Q.
Shovel, Russel, Toronto, Ont.
Thompson, Clarence, Montreal, Q.

NOTE.—Candidates who have failed in one or more subjects will, if they present themselves at the opening of the session in September next, be exempted from examination in those subjects in which they have obtained at least half marks.

Successful Candidates must present themselves for enregistration to the Deans of their respective Faculties before the commencement of Lectures.

* Also in Applied Science.

# STANDING IN THE OPTIONAL SUBJECTS.

[The numbers correspond with those in the preceding lists. Candidates whose numbers are in parenthesis are equal in standing. Those preceding a single asterisk have obtained at least two-thirds of the marks; those preceding a double asterisk, at least one-half; those following, at least one-third. The Schools' and Candidates' numbers are as follows: Montreal High School (Boys) 1-15 and 189-239; Montreal High School (Girls), 16-27 and 240-284, and also Nos. 386-387; Montreal Collegiate Institute, 28-43 and 285-302; Trafalgar Institute, 44-47 and 303-307; Girls' High School, St. John, N.B., 48-63; High School, St. Johns, P.Q., 64-65; High School, Quebec (Boys), 66-67; High School, Quebec (Girls), 68-69; Compton Ladies' College, 70-71 Stanstead Wesleyan College, 72-80; St. Francis College School, 81-89; Granby Academy, 90-94; Cote St. Antoine do, 95-96; Girls' Academy, Sherbrooke, 97-98; Waterloo do, 99-105; Aylmer do, 106-109; Huntingdon do, 110-116; Three Rivers do, 117; Cowansville do, 118-122; Dunham do, 123; Bedford do, 124; Shawville do, 125-130; Sherbrooke Young Men's do, 131-132; Inverness do, 133-135; Lachute do, 136-142; Danville do, 143-146; Coaticook do, 147-154; Knowlton do, 155-159; Hemmingford Model School, 160-161; Waterville Model School, 162; Sutton do, 163-164; Cookshire do, 165-173; Mansonville do, 174-177; Mystic do, 178; Marbleton do, 179; Lennoxville do, 180-183; Paspebiac do, 184-185; Bryson do, 186-187; Phillipsburg Public School, 188; Clarendon Model School, 384-385; The Misses Gairdner's School, 308-309; Miss Symmers and Miss Smith, 310-313.]

*Latin.*—2, 110, 53, 39, 103, (1, 48, 104), 7, (38, 46, 384), 13, 91, 61, 100, 11, (6, 25), 34, 116, (15, 26, 114), 35, 94, 14, (54, 159),* 92, (24, 52), 10, 49, 42, 90, (60, 80), 44, 133, 149, 23, 55, 148, (36, 67), 27, 28, 121, (47, 85), 41, 155, (31, 144), (4, 167), 182,** 68, 101, 176, 32, 112, (50, 156), (40, 58), 102, 161, (12, 57), (9, 95, 134, 171), (16, 84), 124, 59, (62, 152), (127, 158), 45, (120, 140), (99, 69, 132), (63, 93, 146, 157, 179), (70, 137), (17, 106), (18, 56, 113, 118, 122, 123, 145, 180).

*Latin* (Advanced).—64**.

*Greek* (Max. 200).—34, 39, 110, (2, 28), 116, 114, 6, 7, 36, 38, 67,* 14, 68, 31, (4, 133, 134), 85, 144, 11,** 42, 92, 100, 32, 112, 41, (15, 143).

*Greek* (Max. 150).—153, 80, 141,** 125, 131, 104.

*Greek* (Advanced).—43.**

*French.*—148, 4, (1, 46, 103), 104, (114, 116), (34, 39), (2, 91), (13, 47), (10, 67), (68, 110) (94, 38, 133, 182), 35, (6, 22), 112, (25, 80, 121, 165), 26, (61, 155, 171), (3, 48, 184), 45, (33, 44, 149),* 38, (16, 17, 120, 140, 173), (7, 27, 183), (92, 180), (15, 97, 100, 162, 185), (28, 54, 124), (40, 172, 181), (122, 169), (36, 113, 157, 159), 118, (5, 14, 84, 90, 134, 137), (11, 73), (53, 75, 138, 160, 163), 132, (66, 74, 168, 179, 385), (31, 60, 102, 158, 178),** (55, 96, 139), (85, 95, 101), (57, 117), (23, 24, 49, 87, 167), (50, 146), (52, 76, 81, 142), (62, 127), (125, 176), 144, (32, 130, 145, 164), 187, (59, 63, 131, 161), (8, 21, 41, 42, 82, 119, 186, 384), (69, 156), (9, 18, 79, 170).

*French* (Advanced).—43, 64.*

*German.*—25, 22, 27, 16, 46,* 47,** 44.

*Geometry.*—110, (1, 67), (7, 104), (14, 61, 114), (2, 3), (13, 116), 46, (106, 6), (28, 68), (11, 26), (80, 159), 53, 182, (10, 167), (74, 121), 103, (42, 112, 138, 148), (126, 129, 172),* (5, 87, 149), (9, 100), 48, (163, 168), (35, 72, 75, 77, 119), (22, 34, 36, 44, 55, 60, 84, 139), (33, 41, 73, 85, 91), (15, 52, 62, 89, 92, 102, 133, 164), (24, 93, 105, 175), (29, 39, 86, 127, 137, 153, 185), 94, (38, 99, 180), (120, 124), (16, 63, 90, 152, 173, 183, 385), (4, 27, 122, 125), (134, 142, 165), (49, 51, 156, 158),** (170, 176), (37, 47, 54, 140, 184), (25, 81, 82, 132, 171), (21, 30, 66, 113, 141, 147), (12, 58, 88, 131, 151, 155, 179), (31, 40, 157), (19, 32, 56, 59), 144, (45, 98, 143, 169, 174), 118, (8, 78, 154), 161, (150, 384), (95, 57, 76, 101, 177, 181).

*Geometry* (Advanced).—43, 64.*

*Algebra.*—149, (91, 110), 11, 148, (167, 180), (61, 74, 114), (2, 26, 67, 182), 126, 13, (6, 53, 92, 116, 171), (22, 151), 185, (44, 112, 168), (28, 35, 163), 46, (16, 25), 3, (1, 68, 132), (80, 113), (17, 140), 60,

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(14, 184), (41, 104, 121, 133, 385), (12, 49, 62), (21, 127),* 75, 131, (4, 9, 152, 170), 63, 54, (27, 76), (7, 95), (10, 42. 77, 90, 154, 165), 20, (48, 73, 145, 183), 134, (83, 86, 172, 173), 5, (23, 47, 150), (65, 124, 153), (56, 85),** (32, 58, 93), (29, 33, 39, 57, 94, 102, 120, 144, 181), (52, 84, 98, 100, 146), (40, 139), 72, (125, 175, 176), 89, (19, 174, 177), (51, 55, 155), (34, 36), (8, 45, 71, 82, 106), 103, (15, 96), (105, 130), (141, 143).

*Algebra* (Advanced).—43.**

*Trigonometry*.—67, 25, (28, 42, 110), 1, 116, 114, 40, 133,* 39, 41, 33, 134, (34, 36), 32, 112, (13, 91), 94,** 10, 3, 9, 30.

*Trigonometry* (Advanced).—43,* 64.

*English Language*.—25, 27, 22, 46, (24. 26, 184 185),* (38, 44), 16, 60, 28, 42, (34, 48, 53), 39, 17, 19, 31,** 45, (47, 125), 18, 23, (35, 55), 103, 59, 182, 132, (49, 63, 104, 131, 180).

*English Literature*.—116, (13, 38, 184), 1, (53, 134, 148), 61, 22, (2, 26, 27, 48), 16, (9, 15, 28, 44, 185, (14, 34, 133), (23, 46, 67), (4, 6, 10, 11, 39, 114, 121), 7, 110, (59, 90, 94), (54, 104, 138, 140), (47, 103, 137, 168, 187), (20, 60, 165), (17, 24, 36, 102, 179, 182), (3, 73, 85, 98, 125),* (96, 101, 162), (21, 30, 35, 41, 68, 88, 149), (33, 45, 69, 144), (139, 167), (12, 18, 62, 123), (42, 80, 95, 173), (50, 51, 160), (112, 181), (92, 97, 124, 142, 180, 385), (19, 91, 164, 169, 384), 40, (55, 58, 99, 146, 186), (29, 32), (75, 81, 132, 175), (25, 154, 170), (8, 31, 49, 100, 171), (56, 106, 113, 118, 163),** (63, 83, 153, 161), (66, 79, 129, 147, 177), (76, 86, 128, 131, 176, 183), (105, 126), 119, (57, 74), (93, 127, 130), 143, 152, (122, 145), 108, 130, (65, 70, 109, 151).

*English Literature* (Advanced).—43,* 64.**.

*History*.—33, 44, 40, 67, 30, 46, 168, 159, 39,* 34, 182, (47, 97), (95, 121), (161, 384), (68, 69, 125), 179, (33, 35, 98), 59, 180, (37, 118, 128),** (29, 162, 183, 187), (158, 385), 165, (12, 122), 127, 126, 119, 45, (96, 160, 186), (123, 155, 156), (66, 181).

*History* (Advanced).—64.**

*Zoology*.—185.*

*Botany*.—46, 61, 19, (16, 47), (44, 56), 48, 27, (94. 159), (63, 148), (50, 60, 152), (17, 20, 25, 26, 45, 62, 154), (22, 156), (85, 116), (24, 114, 142), 150, (68, 172),* 385, 165, 55, (54, 149), (153, 155), 58, 121, (21, 69), 51, (138, 151), 70, (49, 86, 123, 124, 140, 167), 168, (88, 98),** 92, 171, (59, 104), (108, 137, 182), 23, 113, (118, 122), (147, 158), (57, 179), (99, 119), 139, 52, (90, 180), (65, 100, 103), 97, (81, 102, 160, 384).

*Botany* (Advanced).—64.*

*Chemistry*.—91, 27, 1, 159, 94, (22, 156), 13, 10, (3, 9), (16, 24), 25,* (26, 90), 157, 20, 48, 23, 29, (19, 158), 155,** (21, 60), 54, 17, 53, 8, 18, (59, 61), 82.

*Physiology and Hygiene*.—133, 94, 185, 167, 110, 184, (1, 2, 6, 116), (68, 114), 4, (67, 104, 149), 10, (7, 53, 80, (28, 34, 38, 144), (85, 134), (46, 172), (15, 91, 112), (103, 122, 148, 385), (42, 102, 132, 168),* (13, 14, 89, 92, 182), 95, (99, 118), (30, 36, 74, 173), (11, 84, 90, 121, 151, 384), (3, 12), (73, 96), (97, 101, 131), (142, 162), (39, 60, 106), (48, 62, 66, 143), (93, 154) (9, 41, 81, 140, 165), (100, 139, 181), 127, 137),** (82, 153), (88, 125, 159, 169, 186), (77, 138), (32, 119, 120, 152, 187), 86, (35, 37, 87), 113, 163), (155, 156, 180), (75, 98, 147, 158, 170) 78, (40, 160, 161, 164, 171), (31, 123), 146.

*Drawing*.—13, 16, (24, 25), 22, 19, (17, 26), 21, (1, 14, 61), 53, 11, 23, (6, 20),* 3, 141, (51, 177), (2, 10), (9, 54), 15, (129, 137), (33, 52, 140), (7, 139), 62, (58, 176), 8, 142, 4, 175, 49, (55, 138), (56, 161), 132, 97.

*Physics*.—80, 9, 11, 72, 77,* 74, 78, 1, (3, 6), 13, 10,** 2, 33, 14, 15, 7, 188.

# Passed the University Examinations.

SESSION 1892-93.

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

Geoffrion, Aimé, Montreal.
Davidson, Peers, B.A., Montreal.
Cameron, J. Alexander, B.A., Huntingdon, Que.
Johnson, Alexander Ronald, B.A., Montreal.
Jacobs, Samuel W., Lancaster, Ont.
Hall, Alexander Rives, B.A., Toronto.
Curran, Francis Joseph, B.A. (Manhattan, N.Y.), Montreal.
Glass, Lewis Gordon, Woodstock, N.B.
Harwood, Charles A., Vaudreuil, Que.
Hutcheson, Robert Bennett, Montreal.

## FACULTY OF MEDICINE.

PASSED FOR THE DEGREE OF M.D., C.M.

(Arranged alphabetically).

Aylen, E. D., Aylmer, Que.
Blunt, H. W., Knowlton, Que.
Bostwick, W. E., Toronto, Ont.
Brown, J. A., Sarnia, Ont.
Cameron, J. D., L'Orignal, Ont.
Carroll, R. W., Stratford, Ont.
Coburn, A. D., Keswick Ridge, N.B.
Cooper, M. A., Ormstown, Que.
Deeks, W. E., B.A., Williamsburgh, O.
Dewar, T. A., Sarnia, Ont.
Dewar, G. F., New Perth, P.E.I.
Du Vernet, Edward, Gagetown, N.B.
Fleming, G. W., Chipman, N.B.
Goff, H. M., B.A., Woodville, P.E.I.
Gunter, F. B., B.A., Fredericton, N.B.
Haight, M., New Durham, Ont.
Hall, M. K., Franklin Centre, Que.
Henderson, J. A., Orangeville, Ont.
Jakes, R. W., Merrickville, Que.
Jamieson, W. H., Montreal, Que.
Lawrence, J. W., Lower Dumfries, N.B.
Lindsay, W., St. Mary's, Ont.
McArthur, A. D., Kenmore, Ont.
McKay, R. B., B.A., Toronto, Ont.
McKenzie, S. R., Hamilton, Ont.
McLennan, K., Dunvegan, Ont.
McMillan, W., Alberry Plains, P.E.I.
McMorrine, R. F., Richmond, Que.
Masten, C. H., Lacolle, Que.
Matheson, R., Cardigan, P.E.I.
Mills, W. C., Montreal, Que.
Moore, J. M., Belleville, Ont.
Phillimore, R. H., Cookshire, Que.
Rorke, R. F., St. Thomas, Ont.
Scane, J. W., Chatham, Ont.
Seguin, J. W. A., Rigaud, Que.
Semple, E. J., B.A., Montreal, Que.
Shaw, G. F., Ottawa, Ont.
Shaw, T. P., Montreal, Que.
Tomkins, J. E., Coaticooke, Que.
Walker, J. L., Montreal, Que.
Whyte, J. T., B.A., Osgoode, Ont.
Wilson, R., Montreal, Que.
Yearwood, C. A., B.A., Barbadoes, W.I.
Yates, H. B., B.A., Brantford, Ont.

Mr. T. W. Hewitson has passed all the examinations required for the degree of M.D., C.M., but is not of age. He will receive his degree on attaining his majority.

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PASSED THE PRIMARY EXAMINATION.

(Arranged alphabetically.)

Anderson, D. P., New Liverpool, Que.
Anthony, X. L., Berwick, N.S.
Bailey, J. W., B.A., Northfield, Minn.
Basken, J. T., Dunraven, Ont.
Beatty, E. D., Nepean, Ont.
Bishop, C. W., Montreal, Que.
Blow, T. H., South Mountain, Ont.
Boucher, R. B., Peterboro, Ont.
Bouck, C. W., Inkerman, Ont.
Carron, F. B., Brockville, Ont.
Chapman, H., Port Elgin, Ont.
Colvin, A. R., Lethbridge, N.W.T.
Cooper, M. A., Ormstown, Que.
Commins, E., St. Stephen, N.B.
Cowie, W., B.A., Montreal, Que.
Cruikshank, A., Inverness, Que.
Day, J. L., Montreal, Que.
Davis, R. E., Fallowfield, Ont.
Feader, W. A., Iroquois, Ont.
Fox, C. H., Oxley, Ont.
Gleason, J. H., Cowansville, Que.
Grant, J. P., Pictou, N.S.
Gun, Arthur, Durham, Ont.
Hargrave, J. L., B.A., Rosedale, Man.
Hogg, L., B.A., Winnipeg, Man.
Jakes, R. W., Merrickville, Ont.
Johnston, F. E. L., Delaware, Que.
Kearns, J. F., Metcalf, Ont.
Kerry, R. A., Montreal, Que.
King, J. H., Chapman, N.B.
Knapp, H. G., B.A., Sackville, N.B.
Lambly, W. O., Ripon, Que.
Le Rossignol, W. J., B.A., Montreal, Q.
Leslie, P. C., Montreal, Que.
MacLeay, A. A., B.A., Montreal, Que.
Matheson, R., Cardigan, P.E.I.
Mason, R., Dalesville, Que.
Merrick, J. H., Merrickville, Ont.
Oliver, W., B.A., Rockburn, Que.
Phillimore, R. H., Cookshire, Que.
Price, B. S., Springfield, N.B
Reeves, Jas., Woodstock, Ont.
Saunders, E. H., Eganville, Ont.
Scott, W. H., Owen Sound, Ont.
Sharpe, E. M., Havelock, N.B.
Slack, T. J., Waterloo, Que.
Stearns, C. N., Montreal, Que.
Spearman, F. S., Hemmingford, Que.
Tees, J., B.A., Montreal, Que.
Wickham, W. W., Summerside, P.E.I.
Whyte, J. T., B.A, Osgood, Ont.

---

## FACULTY OF ARTS.

BACHELOR OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

Fraser, Daniel J., B.A.
Nicholas, Albert G., B.A.
Nicholson, John A., B.A.
Walters, Henry, B.A.

ADMITTED TO THE DEGREE OF B.A., *ad eundem*.

Cameron, Waller, B.A., *Cantab.*

ADMITTED TO THE DEGREE OF LL.D. HONORIS CAUSA.

H. T. Bovey, M.A., *Cantab.*

PASSED FOR THE DEGREE OF B.A.

*In Honours.*

(Alphabetically arranged.)

McGILL COLLEGE.

*First Rank.*—Brown, James T.
Fairclough, Elizabeth M.
Gurd, Charles C.

HICKSON, JOSPEH W. A.
JACKSON, ANNIE L.
JAMES, AGNES S.
LEE, MABEL.
MANSUR, CHARLES.
SEYMOUR, MARTHA.
SKEELS, ALBEE A.
SMARDON, CHARLOTTE.

*Ordinary B.A.*

## McGILL COLLEGE.

*Class I.*—GORDON, JOHN S.
BORIGHT, MABEL A.
HONEYMAN, H. A.

*Class II.*—HUTCHISON, DAVID.
ANGUS, FRANCES R.
FARNSWORTH, A. H. } equal.
MAHAFFY, ALBERT. }
McVICAR, ARCHIBALD.
MILLAR, EDITH M.
MUNN, STEWART M.
DRESSER, JOHN A. } equal.
MACDONALD, JESSIE H. }
INTERNOSCIA, JEROME.
SADLER, THOMAS A.

*Class III.*—BROWN, CECIL L. }
PATTERSON, WILLIAM. } equal.
PRATT, FRANCIS. }
DONAHUE, WILLIAM. } equal.
TOWNSEND, WILLIAM McN. }
ROBERTSON, ALBERT J.
McGERRIGLE, J. A.
HUNT, LOVISA E.
CARMICHAEL SAUMAREZ. } equal.
MUIR, PETER D. }
SMITH, ED. F. McL.

*Aeger.*—KILLALY, H. M.
*Aeger.*—McIVOR, EVANDER J.
*Aeger.*—THOMPSON, JAMES.

*Morrin College.*

*Class I.*—MACADAM, MARGARET.
*Class II.*—GALE, ETHEL L.
CHAMBERS, E. J. C.
*Class III.*—None.

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PASSED THE INTERMEDIATE EXAMINATION.

## McGILL COLLEGE.

*Class I.*—Howard, E. Edwin.
Travis, Katharine,
McIntosh, Major, } equal.
Wilson, Margaret, }
Burnet, Arthur.
Wallace, James M.
Watson, Rosalind.

*Class II.*—Cameron, Susan E.
Botterell, Florence.
Whiteaves, A. Maud.
Armstrong, L. Ethel.
Craig, William W., } equal.
Watt James C., }
Keith, Neil D.
Young, Henry.
Rogers, Reginald H., } equa.
Sutherland William C., }
Seymour, Clara Gertrude.
Hickson, James C.

*Class III.*—Radford, Ethel S.
Armstrong, Edgar N.
Dyer, Edward O., } equal.
LeRoy, O. E., }
McIntosh, James,
Fourney, F. W.
Hanson, Albert.
Boyd, Robert S. *s*
Crombie, William J. B. *s*
Cushing, Florence E. *s*
Hopkins, M. C. *s*
Levy, Aaron. *s*
Smyth, W. Oswald. *s*
Terryberry, Arthur J. *s*
Tooke, Frederick T. *s*
Young, Stephen S. *s*

*s*. With supplemental examination in one subject (arranged alphabetically).

---

## ST. FRANCIS COLLEGE.

*Class III.*—Fraser, H. Alice.
Paterson, W. Frederick S.

---

## WESLEYAN COLLEGE, STANSTEAD.

*Class II.*—Gustin, W. A.
Lufkin, Elizabeth.

## FACULTY OF APPLIED SCIENCE.

### PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

CIVIL ENGINEERING.

Louis Greenberg, Montreal.
James A. MacPhail, Orwell, P.E.I.
Leonard L. Street, B.A., Fredericton, N.B.
Thomas M. McLeod, Georgetown, P.E.I.
Arnold J. Ryan, Rouses Point, N.Y.
Alphonse M. A. Robert, Ottawa, Ont.
William A. Bowden, Richmond, Que.
James A. Stevenson, South Granby, Que.

MECHANICAL ENGINEERING.

Louis Herdt, Montreal.
David Murphy, Montreal.
Robert Claude Holman, Summerside, P.E.I.
William P. Laurie, Quebec.
John A. Burns, Montreal.
Arthur Massey, Montreal.
Lincoln Simpson, Cavendish, P.E.I.

MINING ENGINEERING.

Henri Herdt, Montreal; John H. Featherston, Montreal.

PRACTICAL CHEMISTRY.

Howard T. Barnes, Montreal.

### ADMITTED TO THE DEGREE OF MASTER OF ENGINEERING.

Richard S. Lea, B.A.Sc.

### ADMITTED TO THE DEGREE OF MASTER OF APPLIED SCIENCE.

John H. Antliff, B.A.Sc.

---

## FACULTY OF VETERINARY SCIENCE.

PASSED FOR THE DEGREE OF D.V.S.

Wilfred Stanley Plaskett,
Angus Warner Tracy,
Ivan Glen Campbell,
William Clarence McGuire,
Stuart W. Thayer,
Augustus S. Cleaves,
Geo. Osborne Orr,
Epaphrodius Brainerd,
Thomas Sturrock,
Henry Bennet Dunton,
Morris Clifford Wylie,
Andrew S. Lamb,
James McDougall
Harry Ernest Denny,
Joseph Stephens.

MCGILL UNIVERSITY LIBRARY

# Scholarships and Exhibitions.

SESSION 1892-93.

FACULTY OF ARTS.

I. SCHOLARSHIPS (Tenable for two years).

| Year of Award. | Names of Scholars. | Subject of Examination. | Annual Value. | Founder or Donor. |
|---|---|---|---|---|
| 1891 | Brown, James T. | Mathematics. | $125 | W. C. McDonald. |
| 1891 | MacIver, E. J. | Nat. Science. | 125 | W. C. McDonald. |
| 1892 | Smith, A. | Mathematics. | 125 | W. C. McDonald. |
| 1892 | Graham, A. | Nat. Science. | 125 | W. C. McDonald. |
| 1892 | Dickson, S. M. | Class.& Mod.Lang | 120 | Chas. Alexander. |
| 1892 | Dickson, E. T. | Class.& Mod.Lang | 120 | Miss Barb. Scott. |

II. EXHIBITIONS (Tenable for one year).

| NAMES OF EXHIBITIONERS. | Academic Year. | Annual Value. | Founder or Donor. |
|---|---|---|---|
| McIntosh, M. | Second | $125 | W. C. McDonald. |
| Howard, E. E. | " | 125 | W. C. McDonald. |
| Wallace, J. M. | " | 125 | Geo. Hague. |
| *Hutchinson, Marg. | First | 100 | Sir Donald A. Smith. |
| Cole, W. G. G. | " | 125 | W. C. McDonald. |
| Snyder, Wm. A. | " | 125 | W. C. McDonald. |
| Nichols, Amy | " | 120 | Sir Donald A. Smith. |
| Saunders, F. C. | " | 125 | W. C. McDonald. |
| Hurst, Ethel | " | 100 | Mrs. Jane Redpath. |
| Robertson, J. C. | " | 125 | W. C. McDonald. |
| Scott, A. | " | 125 | W. C. McDonald. |

A Major Mills Bursary, value $50.00, was awarded to W. G. Turner and A. R. Ross at the First Year Exhibition Examination.

* And a Sir Donald A. Smith Free Tuition.

# Prizes, Honors and Standing.

SESSION 1892-93.

## FACULTY OF LAW.

### THIRD YEAR.

GRADUATING CLASS.

Aimé Geoffrion, Montreal; First Rank Honors and Elizabeth Torrance Gold Medal, and First Prize of $50.

Peers Davidson, B.A., Montreal; First Rank Honours and Second Prize of $25

J. Alexander Cameron, B.A., Huntingdon, Que.; First Rank Honours and Prize of $25. for Thesis.

Alexander Ronald Johnson, B.A., Montreal; First Rank Honours.

Samuel W. Jacobs, Lancaster, Ont.; First Rank Honours.

Alexander Rives Hall, B.A., Toronto, Ont.; First Rank Honours.

Francis Joseph Curran, B.A. (Manhattan, N.Y.), Montreal; First Rank Honours.

PASSED FOR THE DEGREE OF B.C.L.

Aimé Geoffrion, Montreal.
Peers Davidson, B.A., Montreal.
J. Alexander Cameron, B.A., Huntingdon, Que.
Alexander Ronald Johnson, B.A., Montreal.
Samuel W. Jacobs, Lancaster, Ont.
Alexander Rives Hall, B.A., Toronto.
Francis Joseph Curran, B.A. (Manhattan, N. Y.), Montreal.
Lewis Gordon Glass, Woodstock, N.B.
Charles A. Harwood, Vaudreuil, Que.
Robert Bennett Hutcheson, Montreal.

### SECOND YEAR.

Gordon Walters MacDougall, B.A., Montreal; First Rank General Standing. First Prize of $50.

Arthur Hogle, Sherbrooke, Que.; First Rank General Standing, Second Prize of $25.

Arthur G. Jones, Richmond, Que.; First Rank General Standing.

Joseph Charles Walsh, B.A. (Laval), Montreal; First Rank General Standing.

William Henry Cox, B.A. (Laval), Montreal; First Rank General Standing.

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PASSED THE SESSIONAL EXAMINATION.

Gordon Walters MacDougall, B.A., Montreal.
Arthur Hogle, Sherbrooke, Que.
Arthur G. Jones, Richmond, Que.
Joseph Charles Walsh, Montreal (B.A. Laval).
William Henry Cox, Montreal (B.A. Laval).
Jerome Internoscia, B.A., Bapolla, Italy.
Bannell Sawyer, Rawdon, Que.
John H. Dunlop, Montreal.

FIRST YEAR.

Robert Hugh Barron, B.A., Lachute, First Rank General Standing, and Scholarship of $100.

Albert Swindlehurst, Accrington, Lancashire, Eng.; First Rank General Standing and prize of $50.

Saumarez Carmichael, Montreal; Prize of $25.

PASSED THE SESSIONAL EXAMINATION.

Robert Hugh Barron, B.A., Lachute.
Albert Swindlehurst, Accrington, Lancashire, Eng.
Saumarez Carmichael, Montreal.
Emmanuel B. Devlin, B.A. (St. Mary's, Montreal), Aylmer, Que.
Joseph Landry, B.A. (Ottawa), St. Pierre, Co. Montmagny, Que.
John Patrick Whelan, B.A. (Laval), Montreal.
Lorenzo P. Lebeuf, Batiscan, Que.
William Patterson, Ormstown, Que.
Emil M. J. Lamoureux, St. Sebastien, Que.
Dominique Charles Gaudet, B.A. (Ottawa), Three Rivers.
Philip Sheridan, Montreal.
Etienne Maynard, St. Gregoire D'Iberville.
Narcisse A. Sauvé, Valleyfield, Que.

STANDING IN CLASSES.

CRIMINAL LAW.—Examiner, Prof. N. W. TRENHOLME, D.C.L., Q.C., DEAN of the Faculty.

*Third Year*.—Cameron and Davidson and Geoffrion, equal; Johnson; Curran and Hall and Jacobs, equal; Harwood, Glass, Hutcheson.

*Second* " Jones and MacDougall, equal; Walsh, Sawyer; Hogle and Internoscia, equal; Cox and Dunlop, equal; Ringland.

*First* " Swindlehurst, Barron, Gaudet; Carmichael and Devlin, equal; Lebeuf, Lamoureux; Landry and Maynard and Sauvé, equal; Whelan, Patterson, Sheridan.

ROMAN LAW.—Examiner, THE DEAN of the Faculty.

*Third Year.*—Cameron and Davidson and Geoffrion, equal ; Hall and Johnson, equal ; Curran and Jacobs, equal ; Glass and Harwood, equal ; Hutcheson.

*Second* " MacDougall, Jones, Walsh ; Hogle and Internoscia, equal ; Cox and Sawyer, equal ; Dunlop.

*First* " Barron, Swindlehurst ; Devlin and Landry, equal ; Patterson ; Lebeuf and Lamoureux, equal ; Carmichael and Whelan, equal ; Sauvé, Sheridan, Gaudet ; Maynard and Ringland, equal.

CONSTITUTIONAL HISTORY.—Examiner, THE DEAN of the Faculty.

*Third Year.*—Cameron and Curran and Davidson and Geoffrion and Jacobs and Johnson, equal ; Glass and Hall, equal ; Harwood and Hutcheson, equal.

*Second* " Hogle and Jones and MacDougall, equal ; Cox and Dunlop and Sawyer, equal ; Internoscia ; Sheridan and Walsh, equal ; Ringland.

*First* " Barron and Swindlehurst, equal ; Carmichael and Gaudet and Whelan, equal ; Landry and Patterson, equal ; Devlin ; Lebeuf and Lamoureux, equal ; Bessette and Maynard and Sauvé, equal.

OBLIGATIONS.—Examiner, THE DEAN of the Faculty.

*Second Year.*—MacDougall, Hogle ; Cox and Walsh, equal ; Internoscia and Jones and Sawyer, equal ; Ringland ; Dunlop and Lebeuf and Sheridan, equal.

*First* " Barron and Swindlehurst, equal ; Carmichael and Whelan, equal ; Devlin and Gaudet and Patterson, equal ; Landry, Lamoureux, Maynard, Sauvé.

REAL ESTATE.—Examiner, Prof. Hon. J. S. C. WURTELE, D.C.L.

*Third Year.*—Geoffrion, Cameron, Harwood ; Davidson and Glass, equal ; Jacobs ; Curran and Hutcheson, equal ; Hall, Johnson.

*Second* " MacDougall, Walsh ; Internoscia and Sawyer, equal ; Cox and Hogle, equal ; Dunlop, Jones.

*First* " Lebeuf, Landry, Devlin ; Barron and Swindlehurst, equal ; Patterson, Sheridan, Lamoureux, Whelan ; Maynard and Sauvé and Gaudet, equal ; Carmichael. Ringland.

LAW OF EVIDENCE.—Examiner, Prof. J. S. ARCHIBALD, D.C.L., Q.C.

*Third Year.*—Hall, Johnson ; Davidson and Geoffrion, equal ; Jacobs Cameron, Curran, Harwood, Glass, Hutcheson.

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*Second Year.*—Jones, Hogle, Walsh, MacDougall, Internoscia ; Cox and Sawyer, equal ; Dunlop.

*First* " Barron, Sheridan, Swindlehurst; Carmichael and Lebeuf, and Maynard, equal ; Devlin and Lamoureux, equal ; Ringland, Sauvé, Whelan, Patterson, Landry, Gaudet.

CORPORATIONS AND JOINT STOCK COMPANIES.—Examiner, Prof. L. H. DAVIDSON, D.C.L., Q.C.

*Third Year.*—Davidson ; Geoffrion and Johnson, equal; Cameron, Harwood, Hutcheson, Curran, Hall, Glass, Jacobs.

*Second* " McDougall, Hogle, Cox, Dunlop, Walsh, Jones, Internoscia, Sawyer.

*First* " Barron, Swindlehurst, Carmichael, Lamoureux ; Devlin and Landry, equal ; LeBeuf, Ringland ; Gaudet and Maynard, equal ; Sheridan, Whelan, Patterson, Sauvé.

LAW OF CONTRACTS.—Examiner, Prof. C. A. GEOFFRION, D.C.L., Q.C.

*Third Year.*—Johnson, Geoffrion, Curran, Cameron, Davidson, Harwood, Jacobs, Glass, Hutcheson, Hall.

*Second* " Internoscia, Hogle, MacDougall, Cox, Jones, Sawyer, Walsh, Lebeuf, Dunlop.

*First* " Barron, Carmichael, Swindlehurst, Lamoureux, Devlin, Maynard, Gaudet, Whelan ; and Patterson and Ringland, equal ; Sheridan, Sauvé ; Landr yand Bessette, equal.

BIBLIOGRAPHY.—Examiner, Prof. ARCH. MCGOUN, M.A., B C.L.

*Third Year.*—Davidson, Cameron ; Jacobs and Johnson, equal ; Glass, Curran ; Geoffrion and Hall, equal ; Harwood and Hutcheson, equal.

*Second* " Internoscia, Walsh, Jones, McDougall; Cox and Hogle and Dunlop, equal ; Sawyer.

*First* " Swindlehurst ; Barron and Patterson, equal ; Landry, Whelan ; Carmichael and Sauvé, equal ; Devlin, Lamoureux, Lebeuf, Maynard, Sheridan, Gaudet.

CIVIL PROCEDURE.—Examiner, Prof. Thos. FORTIN, L.L.L., D.C.L.

*Third Year.*—Geoffrion and Cameron, equal ; Jacobs, Johnson ; Davidson and Glass, equal ; Curran, Hutcheson, Hall, Harwood.

*Second* " Hogle, Walsh, Cox, Jones ; Dunlop and MacDougall, equal ; Internoscia, Sawyer.

*First* " Barron, Carmichæl, Swindlehurst, Patterson, Landry, Whelan and Sheridan, equal ; Lamoureux, Maynard, Lebeuf, Devlin ; Gaudet and Sauvé, equal.

NOTARIAL LAW AND PRACTICE.—Examiner, Prof. W. de M. MARLER, B.A., B.C.L.

*Third Year*.—Cameron, Geoffrion, Davidson, Hall, Curran, Johnson, Jacobs, Hutcheson, Glass, Harwood.

*Second* " Cox, MacDougall, Hogle, Internoscia, Walsh, Jones Sawyer, Dunlop.

*First* " Barron, Swindlehurst, Carmichæl, LeBeuf, Maynard, Lamoureux and Whelan, equal; Landry and Patterson, equal; Devlin, Gaudet, and Sauvé, equal; Sheridan.

LEASE AND HIRE.—Examiner, Prof. Hon. C. J. DOHERTY, B.C.L.

*Third Year*.—Geoffrion, Davidson, Hutcheson and Johnson, equal; Hall, Cameron, Glass, Jacobs, Harwood and Curran, equal.

*Second* " Dunlop, Jones, MacDougall and Sawyer, equal; Cox, Hogle, Internoscia, Walsh.

*First* " Swindlehurst and Barron, equal; Maynard, Devlin and Carmichæl, equal; Landry, Lamoureux, Sheridan, equal; Patterson, Gaudet, Sauvé and Lebeuf and Whelan, equal; Ringland.

TRADE MARKS AND PATENTS.—Examiner, Prof. HARRY ABBOTT, B.C.L.

*Third Year*.—Davidson, Cameron, Jacobs; Harwood and Hall, equal; Curran and Johnson, equal; Hutcheson; Glass and Geoffrion, equal.

*Second* " MacDougall, Walsh, Sawyer, Hogle, Cox, Dunlop Jones, Internoscia.

*First* " Barron, Swindlehurst, Lamoureux, Whelan, Landry, Lebeuf; Sauvé and Carmichæl, equal; Maynard, Sheridan, Patterson and Devlin and Gaudet, equal.

PRESCRIPTION.—Examiner, Professor EUGENE LAFLEUR, B.A., B.C.L.

*Third Year*.—Cameron; Davidson and Geoffrion, equal; Hall, Johnson, Jacobs, Hutcheson, Curran, Harwood, Glass.

*Second* " Jones and Walsh, equal; Hogle, Internoscia; Cox and Sawyer, equal; MacDougall, Dunlop.

*First* " Barron, Swindlehurst, Carmichæl, Devlin, Landry, Whelan, Lebeuf; Lamoureux and Sheridan, equal; Gaudet, Sauvé, Patterson, Maynard.

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## FACULTY OF MEDICINE.

### MEDALS AND PRIZES.

THE HOLMES MEDAL is awarded to William Edgar Deeks, B.A., of North Williamsburg, Ontario.

THE FINAL PRIZE is awarded to John Alexander Henderson, of Orangeville, Ont.

THE PRIMARY PRIZE is awarded to W. J. Le Rossignol, B.A., of Montreal.

THE SUTHERLAND MEDAL is awarded to Walter John Le Rossignol, B.A., of Montreal.

THE CLEMESHA PRIZE is awarded to R. B. McKay, B.A.

PROFESSOR'S AND DEMONSTRATOR'S PRIZES.

THE BOTANY PRIZE is awarded to W. N. Kendrick, of Austin, Minn.

THE CLINICAL CHEMISTRY PRIZE is awarded to H. N. Goff, B.A., Woodville, P.E.I.

THE OBSTETRICS PRIZE is awarded to R. B. McKay, B.A., of Toronto.

THE SENIOR ANATOMY PRIZE is awarded to W. J. Le Rossignol, B.A., of Montreal.

THE JUNIOR ANATOMY PRIZE is awarded to Edward William Archibald, B.A.

---

## FACULTY OF VETERINARY SCIENCE.

### PRIZES.

Veterinary Medicine and Surgery—Wilfred Plaskett.

Anatomy—Cecil French.

Cattle Pathology—Wilfred Plaskett.

Cynology—equal— { M. C. Wylie. / Wilfred Plaskett.

Zoology—Wm. Ingles.

Physiology—Cecil French.

Botany—C. H. Zink, Jr.

Chemistry—Cecil French.

For the best general examination on all subjects—Wilfred Plaskett.

### SCHOLARSHIPS.

For the highest aggregate obtained in first year subjects (Fifty Dollars)—C. H. Zink, Jr.

For the highest aggregate obtained in second year subjects (Fifty Dollars)—Cecil French.

### EXTRA PRIZES.

For the best essay read before the Veterinary Medical Association: 1st—E. Brainerd. 2nd—M. C. Wylie. 3rd—W. S. Plaskett.

For the best essay read before the Society for the Study of Comparative Psychology: 1st—Stewart W. Thayer. 2nd—Cecil French.

# FACULTY OF ARTS.

## GRADUATING CLASS.

*B.A. Honours in Classics.*

SKEELS, ALBEE A.—First Rank Honours and Henry Chapman Gold Medal.
FAIRCLOUGH ELIZABETH M.—First Rank Honours.

*B.A. Honours in Natural Science.*

GURD, CHAS. C.—First Rank Honours and Logan Gold Medal.
MANSUR, CHARLES.—First Rank Honours.
LEE, MABEL.—First Rank Honours.

*B.A. Honours in Mental and Moral Philosophy.*

HICKSON, J. W. A.—First Rank Honours and Prince of Wales Gold Medal
BROWN, JAS. T.—First Rank Honours.

*B.A. Honours in English Language, Literature and History.*

JAMES, AGNES L.—First Rank Honours and Shakespeare Gold Medal.
SEYMOUR, MARTHA.—First Rank Honours.

*B.A. Honours in Modern Languages, with History.*

SMARDON, CHARLOTTE.—First Rank Honours and Lord Stanley Gold Medal.
JACKSON, ANNIE L.—First Rank Honours.

*Special Certificates for First Rank General Standing.*

GORDON, JOHN S.—Major Hiram Mills Gold Medal and Special Certificate.
BORIGHT, MABEL A.—Special Certificate.
HONEYMAN, H. A.—Special Certificate.

*New Shakspere Society's Prize.*

MACGREGOR, JOHN MURRAY, B.A.

## COSTER MEMORIAL PRIZE.

*To the Undergraduate from the Maritime Provinces who has passed the most satisfactory Sessional Examinations.*

ROBERTSON, JOHN C.—*First Year.*

## THIRD YEAR.

SMITH, A.—First Rank Honours and Prize in Natural Philosophy; First Rank General Standing.
DAVIS, DAV.D T.—First Rank Honours in Classics; First Rank General Standing Prize in Greek; Prize in Latin.

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GRAHAM, ANGUS.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing; Honourable Mention for Collection of Plants; Prize in Zoology.

MOFFATT, DAVID S.—First Rank Honours in English Literature and History.

DICKSON, SYDNEY T.—First Rank Honours in English Literature and History Prize in English and Rhetoric.

WARNER, AGNES L.—Second Rank Honours in Natural Science; First Rank General Standing; Honourable Mention for Collection of Plants; Prize in Mental Philosophy.

DAY, FRANK J.—First Rank Honours in Semitic Languages, and prize in Hebrew

BLACKETT, JOHN W.—First Rank General Standing; Prize in French.

OGILVIE, ISABELLA.—Prize in French; Prize in Zoology.

BROWN, JESSIE.—Prize for Collection of Plants.

### THIRD YEAR.

#### PASSED THE SESSIONAL EXAMINATION.

Davis (D. T.), Graham (A.), Smith, Blackett, Warner; Moffat and Ogilvy (Isa), equal; Barlow and Day, equal; Hauran and Ogilvy (Chs.), equal; Harvey; Fraser and Garrett, equal; Stewart, Hargrave; Dickson (S. M.) and Brown, equal; Bond; Davis (E.) and Shaw, equal; Boyd and Duclos and Craig, equal; Graham, (F.) and Lambly, equal; Ireland.

### SECOND YEAR.

HOWARD, E. EDWIN, (Inverness Academy, Q.).—First Rank Honours and Prize Mathematics; First Rank General Standing; Prize in Logic; Prize in English Literature.

TRAVIS, KATHARINE, (Victoria H S. St. Johns N. B.).—First Rank Genera. Standing; Prize in French; Prize in Latin; Prize in Botany.

MCINTOSH, MAJOR H., (Prince of Wales Coll., P. E. I.).—First Rank General Standing; Prize in Latin Prose Composition.

WILSON, MARGARET, (McGill Normal School.).—First Rank General Standing; Prize in English Literature.

BURNET ARTHUR, (Grande Ligne Institute.)—First Rank General Standing; Prize in Greek; Prize in French.

WALLACE. JAMES M., (Kemptville H. S.).—First Rank General Standing; Prize in Botany.

WATSON, ROSALIND, (Huntingdon Academy.).—First Rank General Standing.

CAMERON, SUSAN, (Victoria H. S. St. Johns N. B.).—Prize in Logic.

KEITH, NEIL D., (Glencoe H. S.).—Prize in Hebrew.

| | Mawson | Gurd | Lee |
|---|---|---|---|
| Practical Geology | 83 | 88 | 82 |
| Can. Geol. Collection | 184 | 181 | 184 |
| Palæontology | 86 | 97 | 92 |
| o/o | 84½ | 91½ | 89½ |

SECOND YEAR.

PASSED THE SESSIONAL EXAMINATION.

Howard, Travis, McIntosh (M. H.), Wilson, Burnet, Wallace, Watson, Cameron Wallace, Whiteaves, Armstrong (L. E.); Craig and Watt, equal; Keith, Young (H.); Rogers and Sutherland, equal; Seymour, Hickson, Radford, Armstrong (E. N.); Dyer and LeRoy, equal; McIntosh (J.), Fourney, Hanson, Boyd *s*, Crombie *s*, Cushing *s*, Hopkins *s*, Levy *s*, Smyth, Terryberry *s*, Tooke *s*, Young (Stephen) *s*.

*s*.—With Supplemental Examinations in one subject (alphabetically arranged).

FIRST YEAR.

Robertson, John C., (Private Tuition).—First Rank Honours and Prize in Mathematics; First Rank General Standing.

Hutchinson, Margaret, (Coll. Ins., St. Thomas).—Second Rank Honours and Prize in Mathematics; First Rank General Standing.

Hurst, Ethel I., (M. G. H. S.).—Second Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in English Literature.

Hammond, Elizabeth A., (M. G. H. S.).—First Rank General Standing; Prize in Greek; Prize in Latin.

Snyder, Wm. A., (Galt Coll. Inst.).—First Rank General Standing; Prize in Greek; Prize in Roman History.

Smiley, F. C. (St. Francis College).—First Rank General Standing; Prize in English Literature; Prize in French.

Archibald, Sam. G. (M. H. S.).—First Rank General Standing; Prize in Roman History and Literature.

Nichols, Amy W. (M.G.H.S.).—First Rank General Standing.

Henderson, Grace (Misses Symmers and Smith).—Prize in Greek Prize in Latin.

Colclough, Thos. A. (Almonte H. S., Ont.).—Prize in Hebrew

St. James, Leah (Normal School).—Prize in French.

Bates, George E.—Prizes in Hebrew

FIRST YEAR.

PASSED THE SESSIONAL EXAMINATIONS.

Robertson, Hammond, Snyder, Smiley, Hurst, Archibald, Hutchinson, Nichols, Henderson, Pitcher, Campbell, Cole, Saunders, Schwartz, Ross H.), McCuaig, Milliken, Hill, Colclough, Molson, Turner, St. James, Brown, Mitchell, Pollock, Bates (G. E.), McBurney, Watson, Walker, Chalmers Gorden, Moore, Hall, Pinder, Hinds (*s*), Krause (*s*), Locke (*s*), Scott (*s*).

(*s*) With Supplemental Examination in in one subject (arranged alphabetically).

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## AWARD OF SCHOLARSHIPS AND EXHIBITIONS, SEPTEMBER 1893.

I. THIRD YEAR.—SCHOLARSHIPS (tenable for two years).

*Mathematical Scholarship.*—*Smith, A.

*Natural Science Scholarship.*—*Graham, A.

*Classical and Modern Language Scholarship.* †Dickson, S. M. §Dickson, E. T.

II. SECOND YEAR.—EXHIBITIONS (tenable for one year).

*McIntosh, M., Prince of Wales College, P.E I.
*Howard, E. E., Inverness Academy, Q.
‡Wallace, J. M., Kemptville H. S., O.

III. HIGHER ENTRANCE AND EXHIBITION EXAMINATIONS.

*Class I.*—†† Hutchinson, Margaret, St. Thomas Coll. Inst., O., *Exhibition.*
*Cole, W. G. G., Montreal Coll. Inst., Q., *Exhibition.*
*Snyder, Wm. A., Galt Coll. Inst., O., *Exhibition.*
§§ Nichols, Amy, Montreal Girls' H. S., *Exhibition*
*Saunders, F. C., Montreal H. S., *Exhibition.*
‡‡ Hurst, Ethel, Montreal Girls' H. S., *Exhibition.*
*Robertson, J. C., Private Tuition, *Exhibition.*
*Scott, A., Montreal H. S., *Exhibition.*
**Turner, W. G., Quebec H. S., Bursary.
**Ross, A. R., Montreal Coll. Inst., Bursary.

*Class II.*—Schwartz, H. J., Quebec H. S.
Campbell, G. A., Montreal H. S.
Edgar, McK., Montreal Coll. Inst.

Passed.—Pollock, Thos. J., Lachute Academy.

## SCHOLARSHIPS AWARDED SEPTEMBER, 1891, TENABLE FOR TWO YEARS.

| Name. | Subject. | Annual value. | Donor. |
|---|---|---|---|
| Brown, James T., | Mathematics, | $125, | W. C. McDonald. |
| MacIver, E. J. | Nat. Science, | $125, | W. C. McDonald. |

## PASSED SUPPLEMENTAL EXAMINATIONS IN THE FACULTY OF ARTS.

September, 1892.

(*a*) *Supplemental Sessional.*

THIRD YEAR.—Hunt, McCoy, Muir, Smith (E.F.).
FIRST YEAR.—White.

(*b*) *Supplemental in one subject.*

SECOND YEAR.—Bond, Bremner, Fraser, Lambly, Ogilvy (C.).
FIRST YEAR.—Armstrong (E.N.), Fourney, Gilmour, Hickson, Smyth, Young (S.).

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* Annual value, $125.—Founder, W. C. McDonald, Esq.
† do. $120.—Founder, Chas. Alexander, Esq.
§ do. $120.—Founder, Miss Barbara Scott.
‡ do. $125.—Donor, George Hague, Esq.
†† do. $100 and free tuition, Donor, Sir Donald A. Smith.
§§ do. $120.—Donor, Sir Donald A. Smith.
‡‡ do. $100.—Founder, Mrs. Jane Redpath.
** do. $50.—Founder, Major Mills.

## SESSIONAL EXAMINATIONS, 1893.

## McGILL COLLEGE.

### GREEK.

B.A. ORDINARY.—*Class I.*—Skeels, Fairclough; Gordon and Honeyman and Mahaffy, equal; *Class II.*—Brown (C. L.) and Farnsworth and Hutchison, equal; McGerrigle, Sadler; Dresser and Thompson, equal. *Class III.*— Patterson, Hunt, Muir; Ellicott and McCoy, equal; Robertson and Smith, equal; Brittain.

THIRD YEAR.—*Class I.*—Davis (David T.), *Prize*; Graham. *Class II.*—Dickson (Ed. H. T.); Blackett and Naylor, equal. *Class III.*—Moffat, Day, Craig, Hanran; Davis (E. A.) and Garrett, equal; Harvey and Lambly, equal; Ireland and Lewis, equal.

SECOND YEAR.—*Class I.*—Burnett (*Prize*); McIntosh (M.) and Travis, equal; Wallace, Howard, Young (H.); Seymour and Watson, equal. *Class II.*—Craig, McFarlane, Keith, Watt, Cameron. *Class III.*—Hickson, Radford, Trenholme, Armstrong (E. N.), Sutherland, Rogers, Dyer Smyth, Crombie; Fourney and Young (S.), equal; Hanson and LeRoy, equal; Levy and MacIntosh (J.), and Symmes and Terryberry, equal.

FIRST YEAR.—*Class I.*—Snyder (*Prize*); Hammond (*Prize*) and Henderson (*Prize*), equal; Archibald; Cole and Smiley, equal; Saunders, Colclough. *Class II.*—Schwartz; Brown and Ross (A.R.) and Turner, equal; Robertson, Ross (H.), McCuaig, Pollock; Molson and Scott, equal. *Class III.*—Campbell, Acer, Locke, St. James, Hurst; Chalmers and McKinnon, equal; Scrimger and Vipond, equal; Watt; Gordon and Howell and Moore and Walker, equal; Milliken; Bates (G. E.) and Lynch and Mills, equal; Mullin, Marler.

### LATIN.

B.A. ORDINARY.—*Class I.*—Boright, Gordon, Fairclough, Skeels, Mahaffy, James; Honeyman and Pratt and Seymour, equal; Angus and Macadam and Townsend, equal. *Class II.*—Dresser and Donahue, equal; Chambers and Munn, equal; Gale, Millar, Macdonald. *Class III.*—Internoscia (Jerome), Brittain; Campbell and McCoy, equal McVicar.

THIRD YEAR.—*Class I.*—Davis (D. T.), (*Prize*); Blackett; Barlow and Ogilvy (Is.), equal. *Class II.*—Harvey, Duclos, Garrett, Bond, Bickerdike; Graham (F. H.) and Hanson and Hargrave, equal; Boyd and Warner, equal. *Class III.*—Ireland, Ogilvy (Ch.); Brown and Dickson (S. M.), equal; Mackenzie, Shaw, Fraser, Naylor, Craig.

SECOND YEAR.—*Class I.*—Travis (*Prize*); Burnet and Howard and McIntosh (M.), equal; Watson, Cameron, Wilson, Craig, Savage, Seymour. *Class II.*—Watt, Armstrong, Hickson, Keith; Crombie and Dyer and Levy and Radford and Trenholme, equal; Boyd and Sutherland, equal; Armstrong (E.) and Botterell, equal; Fourney and Young (H.), equal. *Class III.*—Wallace, LeRoy, Hopkins, Smith; Rogers and Whiteaves, equal; Hanson and Tooke, equal; MacIntosh (J.), Young (S.), Cushing, Weir, Terryberry.

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SECOND YEAR.—(*Latin Prose Composition*).—*Class I.*—McIntosh (M.) (*Prize*), Howard, Craig; Seymour and Travis, equal; Savage and Watson and Watt, equal; Wilson; Burnett and Cameron, equal. *Class II.*—Trenholme and Young (H.), equal; Whiteaves; Dyer and Hickson, equal; MacIntosh (J.) and Radford and Rogers, equal; Boyd, LeRoy, Tooke; Botterell and Cushing, equal; Armstrong (E. N.) and Levy and Wallace, equal. *Class III.*—Keith, Armstrong (E.), Hopkins, Smyth, Terryberry, Crombie, Sutherland, McNaughton, Young (S.), Fourney.

FIRST YEAR.—*Class I.*—Henderson (*Prize*), Hammond (*Prize*), Smiley, Colclough; Hurst and Hutchinson and Snyder, equal; Nichols and Saunders and Smith (L.), equal. *Class II.*—Campbell and Schwartz, equal; Locke; Pitcher and Pollock and Robertson, equal; Turner, Watson, Cole; Archibald and Hill, equal; Molson. *Class III.*—Springle, Ross (A. R.); McBurney and Scott, equal: Brown and Mitchell and Ross (H.), equal; McKinnon and Mills, equal; Chalmers and Howell, equal; Gordon and McCuaig and Scrimger, equal; Acer, Milliken, St. James, Hinds, Pinder, Krause, Moore, Bates (C. W.), Bates (G. E.), Marler, Mullin, Walker.

ROMAN HISTORY AND LITERATURE.

FIRST YEAR.—*Class I.*—Archibald (*Prize*) and Snyder (*Prize*), equal; Nichols, Hammond and Henderson, equal; Smith (L.); Smiley and Turner, equal; Robertson, Campbell. *Class II.*—Pollock, Locke, Hurst; Cole and Pitcher, equal; Hutchinson and Ross (R.), equal; Mills and Pinder, equal; Acer and Molson, equal; St. James. *Class III.*—Patterson; Chalmers, and Douglas (R. J.) and McCuaig and Schwartz, equal; Mitchell, Scott, Walker, Colclough, Hill; Gordon and Krause and Moore, equal; McBurney and McKinnon, equal; Marler and Milliken and Scrimger, equal; Howell; Friedlander and Mullin, equal; Edgar, Bates (G. E.), Saunders, Botterell, Bates (C. E.), Benny, Brown, Hinds, Ross (A. R.), Watson.

MENTAL AND MORAL PHILOSOPHY.

B.A. ORDINARY.—*Moral Philosophy.—Class I.*—Boright and Hickson, equal; Mansur, Gordon, Brown (J. T.), Mahaffy, Honeyman, Millar; Angus and *Humphreys and Hutchison, equal; Pratt; *Jackson and Patterson and *Sanderson, equal. *Class II.*—Donahue and Dresser and McVicar (A.) and Robertson, equal; Farnsworth and Macdonald and *Vaughan, equal; *Grisbrook; McCoy and Munn, equal; Brittain and *McConnell and Townsend, equal; Muir, *Read; McVicar (R.) and Smith (E. F., equal; Internoscia; Hunt and Sadler, equal. *Class III.*—*Walker, *Fairbairn, Brown (C. L.), McGerrigle, Campbell (R.), *Gourlay; Ellicott and *Scott, equal.

THIRD YEAR.—(*Mental Philosophy*).—*Class I.*— Graham (A.); Dickson and *Thomas and Warner, equal; *Brown (J. L.), Moffat, Day, *Ball, *Kelly, Harvey, Davis (E. A.); *McConnell and *Sing, equal. *Class II.*—Bond

and *Calvert and Hanran, equal; Blackett and Fraser (F. C.) and *Mathers, equal; Brown (Jessie) and Stewart, equal; Bremner; Barlow and McGregor, equal *Class III.*—*Stevens, Graham (F. H.); *Ascah and *Hodgson and Ireland, equal; Duclos, *Peever, *Warden; Boyd and *Sykes, equal; Lambly, *Bethell, *Nelson.

*Prizes:*—Graham (A.), Warner.

SECOND YEAR.—(*Logic*).—*Class I.*—Howard, Wallace, Cameron, *Thomas; Levy and Travis, equal; *Kelly and Watt and Wilson (M.), equal; Burnet, McIntosh (M.); Watson and Young (H.), equal; Hanson and Savage, equal; Craig, Hopkins; Botterell and Crombie and Keith and Seymour and Trenholme, equal. *Class II.*—Armstrong (E. N.) and *Milliken and Radford, equal; Rogers, Cushing; Armstrong (L. E.) and Smyth and Whiteaves, equal; MacIntosh (J.); Boyd and Sutherland, equal; Hickson, Tourney. *Class III.*—McNaughton and *Sykes and Weir, equal; *Mason and Symmes and *Wilson (W.), equal; *Graham and *Wilson (A. C.) and Young (S.), equal; LeRoy, Terryberry, *McEwan; *Boshart and Tooke, equal; Dyer, *Extence; *Bethell and *Leitch, equal.

*Prizes:*—Howard, Cameron.

EUROPEAN HISTORY.

B. A. ORDINARY.—*Class I.*—Boright and Gordon, equal; Gurd and James and Millar and Seymour, equal; Farnsworth, Donahue and McVicar (A.), equal. *Class II.*—Hunt, Munn, Campbell, Brown, Macdonald, Internoscia, McGerrigle and Sadler and Smith and Townsend, equal; Hickson, and Patterson, equal; Dresser. *Class III.*—Mahaffy and Pratt, equal; Hutchison and Robertson, equal; Gourlay, Muir.

ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Dickson (S. T.), Barlow and Moffatt, equal. *Class II.*—Mackenzie (J.) and Ogilvie (I.), equal; Hargreave, Ogilvy (C.) and Warner, equal. *Class III.*—Graham, Stewart, Shaw, Craig, MacKeracher, Duclos, Lewis. *Prize*, Dickson.

ENGLISH LITERATURE AND HISTORY.

SECOND YEAR.—*Class I.*—Howard and *Redpath (A.), equal; Burnet, McIntosh (M.), Wilson, Cameron, Trenholme, Armstrong (Ethel), Travis, Sutherland and Botterell, equal; Watson, Wallace. *Class II.*—Hopkins, McIntosh (J.), *Redpath (L.) and Weir, equal; Watt and Whiteaves, equal; Boyd and *Savage, equal; LeRoy, Hickson and Radford, equal; Armstrong and Craig, equal; Tooke, Keith. *Class III.*—McNaughton and Young (H.), equal; Rogers, Seymour Crombie and Fourney, equal; Hanson, Ascah, Dyer, Smyth. *Prize*, Howard and Wilson.

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ENGLISH LITERATURE

FIRST YEAR.—*Class I.*—Hurst, Smiley and Pitcher, equal; Hammond, Henderson Kerr and Nicholls, equal; Archibald. *Class II.*—Campbell and Snyder, equal; Smith, Robertson, Schwartz, Ross and Saunders, equal; Norris, Cole, Locke and McCuaig, equal; Hill, Mullin. *Class III.*—Mitchell, Scrimger and St. James, equal; Hutchinson and Krause, equal; Howell and Watson, equal; *Douglas and *Millikin, equal; Brown and Denoon and *McEwan and McMartin and Molson, equal; Acer and Bates (C) and McKinnon and Springle, equal; Mills and *Walker, equal; Hinds, Colclough and McBurney and Pollock, equal; *Bates (G.) and Chalmers and Turner, equal; Pinder, Wilson, Edgar and Gordon and Moore and Marler and Wall, equal. *Prize*, Hurst and Smiley.

MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Boright, Gordon. *Class II.*—Honeyman, Brown, (C. L.), Brown (J. T.), Internoscia, McVicar (A.). *Class III.*—Farnsworth and Mahaffy, equal; Dresser, McGerrigle, Smyth (E. F.), Muir, Munn, Sadler, Macdonald, Angus, Donahue; Ellicott and Townsend and Hunt, equal; Millar.

THIRD YEAR.—*Class I.*—Smith, Blackett. *Class II.*—Hanran, Ogilvie (C.), Barlow, Stewart, Harvey, Garrett, Ogilvy (Isa). *Class III.*—Frazer; Brown and Duclos and Shaw, equal; Craig and Dickson, equal; Boyd and Bremner, equal; Ireland, McGregor, Bond, Naylor, Hargrave.

ASTRONOMY AND OPTICS.

B.A. ORDINARY.—*Class I.*—Gordon, Internoscia, Townsend. *Class II.*—McGerrigle, Dresser, Sadler, McVicar (A.). *Class III.*—Hunt, Mahaffy, McCoy, Muir.

THIRD YEAR.—*Class I.*—Smith, Blackett. *Class II.*—Garrett, Hanran, Bond. *Class III.*—None.

EXPERIMENTAL PHYSICS.

B.A. ORDINARY.—(*Electricity and Sound*).—*Class I.*—None. *Class II.*—Munn. *Class III.*—McGerrigle, Donahue, Smith (E. T.).

THIRD YEAR.—(*Light and Heat*) *Class I.*—Smith.

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Rogers, Travis, Howard; Wallace and Wilson, equal; McIntosh (M.), Young (H.), Whiteaves, Sutherland; Dyer and Watson, equal; Cameron. *Class II.*—Hickson and Hopkins, equal; LeRoy, Craig; Burnett and Hanson, equal. *Class III.*—Watt, Terryberry; Boyd and Fourney, equal; Armstrong (E. N.) and Crombie and Smyth, equal; Botterell, Keith, McIntosh (J.); Young (S.) and Armstrong (L. E.), equal; Weir; McNaughton and Trenholme and Seymour, equal; Radford; Symmes and Cushing, equal; Tooke, Levey.

FIRST YEAR.—*Class I.*—Robertson, Hutchinson, Smiley, Snyder; Campbell and Sanders, equal. *Class II.*—Brown and Hammond and Watt, equal; Cole, Hurst, Molson; Nichols and Schwartz, equal; Ross (H.), McCuaig Pollock. *Class III.*—Ross (A. R.); Gordon and Pitcher, equal; Archibald and McBurney, equal; Bates (G. E.); Milliken (R.) and Moore and Walker, equal; Hill; Denoon and Scott, equal; St. James; Colclough and Henderson, equal; Edgar, Watson; Locke and Vipond, equal; Mitchell and Scrimger, equal; Botterell and Douglas (R. J.), equal; McMartin, Chalmers, Benny; Bales (C. W.) and Turner, equal; Pinder; Hinds and Krause, equal; Howell and Lynch, equal.

TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Howard; McIntosh (M.), Wilson, Wallace, Travis. *Class II.*—Hickson, Whiteaves, Watson, Burnet, Young (H.). *Class III.*—Craig, Boyd, LeRoy; Dyer and Botterell, equal; McIntosh (Jas.), Rogers, Sutherland; Crombie and Terryberry, equal; Hopkins, Watt, Hanson, Keith, Radford; Fourney and Levy, equal; Armstrong (L. E.), Cameron, Armstrong (E.N.); Weir, Symmes, Young (S.), Seymour, McNaughton; Smyth and Tooke and Cushing, equal.

FIRST YEAR.—*Class I.*—Hammond and Robertson, equal; Hutchinson, Archibald, Schwartz; Cole and Ross (H.), equal; Bates (G. E.) and Sanders, equal; Campbell, Smiley, Hill, Snyder, McCuaig. *Class II.*—Pitcher Molson and Scott, equal; Nichols, Chalmers; Brown and Mitchell and Watt, equal; Pollock and Ross (A. R.), equal; Turner and Walker, equal; Locke; Henderson and Hurst and Krause and Milliken (R.), equal. *Class III.*—Bates (C. W.) and Watson, equal; Benny; Edgar and Gordon, equal; Moore, Douglas (D. J.), Howell, McMartin; Colclough and Hinds, equal; Graham, McBurney, McKinnon, Kennedy, Pinder; St. James and Vipond, equal; Denoon; Botterell and Wainwright, equal.

HONOUR EXAMINATIONS IN MATHEMATICS AND NATURAL PHILOSOPHY.

THIRD YEAR.—*First Rank Honours.*—Smith Alistair (*Prize*).

SECOND YEAR.—*First Rank Honours.*—Howard (*Prize*).

FIRST YEAR—*First Rank Honours.*—Robertson (*Prize*). *Second Rank Honours.*—Hutchinson (*Prize*). Hurst (*Prize*).

FRENCH.

FOURTH YEAR.—*Class I.*—Jackson, Smardon, Angus, Campbell, Millar, Boright. *Class II.*—Brittain, Honeyman, Lee, Brown. *Class III.*—Brown.

THIRD YEAR.—*Class I.*—Ogilvy (Isabella) *Prize*, Blacket (*Prize*), Davis. *Class II.*—Barlow, Fraser, Ogilvy (C.), Hargrave. *Class III.*—Bond and Shaw, equal; Boyd, Craig, Brown, Dickson, Lewis.

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SECOND YEAR.—*Class I.*—Travis (*Prize*), Burnett (*Prize*), Botterell; Howard and * Savage, equal; Wilson, Watson; * Johnson and Whiteaves, equal; Cameron. *Class II.*—Armstrong (E.L.), Armstrong (E. N.) and Hopkins, equal; Levy, McIntosh. *Class III.*—Craig and Radford, equal; Tooke Dyer, Fourney, Humphreys; Hickson and Smyth, equal; Hanson, McNaughton, Cushing.

FIRST YEAR.—*Class I.*—*Smith, St. James (*Prize*), Smiley (*Prize*), equal; Henderson; Archibald; Hurst; Hinds, Hammond; Nichols; Krause, Ross (H.) equal; Saunders; Benny, Pitcher, Schwartz and Scott, equal. *Class II.*—McCuaig, Mitchell; Cole, Molson, equal; Campbell; Locke; Watson; Ross (A. R.); Brown, Hutchison and Scrimger, equal. *Class III.*—Hill and Turner, equal; Chalmers; Lynch; Denoon and McMartin equal; McBurney and Pollock, equal; Friedlander; Vipond; Pinder; Mills and Moore, equal; Wainwright; Acer; Patterson; Graham, Kennedy and Wilkinson, equal.

GERMAN.

B. A. ORDINARY.—*Class I.*—Smardon, Jackson, Angus.

SECOND YEAR.—*Class I.*—Wilson; Whiteaves and Botterell, equal; Armstrong, *Johnson (H.), Seymour. *Class II.*—Cushing, Levy, *Class III.* Watt, Young H., Rogers, LeRoy, Young (S.).

FIRST YEAR.—*Class I.*—Hammond, Robertson, Snyder; Nichols and Hurst, equal; McCuaig; Pitcher and Hutchinson, equal; Denoon; Locke and McBurney, equal. *Class II.*—Hill, Milliken, J. B., Krause, Mitchell, Gordon. *Class III.*—Pinder, Watson, Hobbs, Howell.

HEBREW.

ADVANCED COURSE.—*Class I.*—Day (F. J.) (*Prize*), Graham (A.), Hutchinson D. *Class II.*—Read (G. E.). *Class III.*—Robertson (A. J.), Davis (E. A.); Patterson (W.) and Pratt, equal; Bremner, McGregor (A.).

INTERMEDIATE COURSE.—*Class I.*—Keith (*Prize*), Brown (J. L.). *Class II.*—McConnell; Farnsworth and Wallace and Ball, equal. *Class III.*—Bucker, Brandt, Sutherland (W. C.); Crombie and Mathers, equal; Terryberry and Calvert, equal; Jackson (J. A.) and MacIntosh (J.), equal; Lamert and Beauchamp, equal; Weir (G.), Charles; Wilkinson and Walker (H.) and Gourlay (J. L.), equal; Boyd (R.).

ELEMENTARY COURSE.—*Class I.*—McIntosh (M.) Thomas (E.), Kelly, Bates (G. E.), (*Prize*), Humphrey (J.W.), Peevor, Colclough, (*Prize*). *Class II.*—Milliken Lambly (M. O.), Sing, Watt (R. G.); Douglas and Fairbairn, equal. *Class III.*—Walker (P. A.), Millar (D. D.), Bates (C. W.), Murray, Leitch, Graham (D. J.) and Boshart, equal; Thom; Jamieson and Extence, equal.

GEOLOGY.

FOURTH YEAR.—*Class I.*—Lee, Gurd, Boright, Mansur, Munn, Gordon, Macdonald, Vaughan, Honeyman. *Class II.*—Angus, Brittain, Sadler; Donahue and Hutchinson, equal; Mahaffy, McVicar (A.), Millar, Dresser, Robertson, Patterson, Hunt. *Class III.*—Jackson, Brown, Smith, Campbell, Walker, Pratt, Humphreys, Townsend, Thompson, Scott, Gourlay.

FOURTH YEAR.—*Additional Course.*—Macdonald.

ZOOLOGY.

THIRD YEAR.—*Class I.*—Ogilvy (I.) *Prize*, Graham (A.) *Prize*, Davis (D. T.), Hargrave, Warner, Ogilvy (C.). *Class II.*—Blackett, Moffatt, Shaw; Barlow and Thomas, equal; *Kelly and *Milliken, equal; Brown; Fraser and Garrett, equal; Craig and McGregor, equal; *Miller (D. D.); Boyd and Bremner and Harry and Mackenzie, equal. *Class III.*—Hanran, Day, *Wilkinson; *Buker and Ireland, equal; *Bethell and Duclos and *Humphrey, equal; Stewart, Davis (E. A.), Dickson; *Leitch and *Sykes, equal; Lambly and *Wilson, equal; *Ascah, Bond, Graham (D. J.), Mackeracher and *Waterson, equal; *Culp and Naylor, equal; *McCuaig; Bickerdike and Graham (F. N.), equal.

*Partials.

BOTANY.

SECOND YEAR.— *Class I.*—Travis (*Prize*); Armstrong, (L. E.); Watson; Wallace, (*Prize*); Cameron; MacIntosh, (M. H.; Wilson and White* equal; Botterell and Keith, equal; McNaughton; Burnet; Radford; Sutherland. *Class II.*—Rogers and Watt, equal; Seymour; Crombie; Cushing and Boyd, equal; Tooke. *Class III.*—Armstrong, (E. N.); Craig, Dyer, Fourney, Hanson, Hickson, Hopkins, LeRoy, Levy, MacIntosh, (Jas.), Symmes, Terryberry, Trenholme, Weir, Whiteaves, Young, (Hy.), Young, (Stephen.)

THIRD YEAR.—*Class I.*—Warner; Binmore*.

CHEMISTRY.

FIRST YEAR.—*Class.*—Robertson (*Prize*) and Snyder (*Prize*), equal; Archibald. *Class II.*—Hammond; Hurst and St. James, equal; Turner, Cole, Hutchinson. *Class III.*—Ross (H.) and Saunders, equal; Campbell and Humphrey and Nichols and Pitcher, equal; McMartin and Scott and Sing, equal; Colclough; Benny and Shwartz and Smiley, equal; Mathers, McConnell and Milliken, equal; Howell, Fairbairn; Jackson and Patterson and Henderson, equal; Walker and Hill, equal; Watt; McKinnon and Molson and Moore and Brown, equal; Mitchell, Shaw, Hinds, Bates (G. E.) and McBurney and McCuaig, equal; Pollock; Gordon and Kennedy and Springle and Chalmers and Pinder and Watson, equal.

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PRACTICAL CHEMISTRY.

*Class I.*—Radford (Ethel). *Class II.*—Lyman (Helen), B.A. *Class III.*—Binmore (Elizabeth), B.A.

WICKSTEED MEDALS FOR PHYSICAL CULTURE.

Silver Medal.—McGerrigle (John A.). Bronze Medal.—Young (Stephen).
Honorable Mention.—Brown (J. T.), Stevenson, Huestis.

DONALDA PRIZE FOR PHYSICAL CULTURE.

Travis (Katharine).

ELOCUTION.

*Class I.*—Walker (*Prize*), Keith, Weir, L. Shaw (*Prize*); Denoon and Dresser, equal. *Class II.*—LeRoy, A. Smith.

*Passed* (arranged alphabetically.)

*Senior Year:*—Dresser, Gilmour, Keith, LeRoy, Muir, Smith, Symmes, Walker, Weir,

*Junior Year:*—Ascot, Bremner, Connor, Denoon, Dickson, Extence, Gourlay, A. Graham, D. Graham, Grisbrook, Hanran, Ireland, McCuaig, McGregor, B.A., McIntosh, Murray, Pritchard, B.A., Rogers, E. Shaw, L. Shaw Sutherland Watson, Young.

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## MORRIN COLLEGE.

B.A. ORDINARY.

LATIN.—*Class I.*—Macadam. *Class II.*—Chambers, Gale.

MECHANICS AND HYDROSTATICS.—*Class II.*—Gale, Macadam. *Class III.*—Chambers, Lindsay.

ASTRONOMY AND OPTICS.—*Class I.*—Gale. *Class II.*—Chambers and Macadam equal. *Class III.*—Lindsay.

MORAL PHILOSOPHY.—*Class I.*—Gale and Macadam, equal. *Class II.*—Chambers. *Class III.*—None.

HISTORY.—*Class I.*—Macadam, Gale. *Class II.*—Chambers.

FRENCH.—*Class I.*—Macadam. *Class II.*—Gale, Chambers.

HEBREW.—*Class III.*—Lindsay.

## ST. FRANCIS COLLEGE

INTERMEDIATE EXAMINATION.

GREEK.—*Class III.*—Fraser.

LATIN.—*Class III.*—Fraser, Coburn, Paterson.

LATIN PROSE COMPOSITION.—*Class II.*—Fraser, Paterson. *Class III.*—Coburn.

TRIGONOMETRY AND ALGEBRA.—*Class II.*—Paterson, Coburn. *Class III.*—Fraser.

GEOMETRY AND ARITHMETIC.—*Class II.*—Coburn. *Class III.*—Fraser, Paterson.

LOGIC —*Class I.*—None. *Class II.*—Fraser. *Class III.*—Coburn, Paterson.

ENGLISH LITERATURE AND HISTORY.—*Class I.*—Fraser. *Class II.*—Paterson.

FRENCH.—*Class III.*—Fraser, Paterson.

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## STANSTEAD WESLEYAN COLLEGE,

INTERMEDIATE.

GREEK.—*Class III.*—Gustin, Lufkin.

LATIN.—*Class III.*—Gustin, Lufkin.

LATIN PROSE COMPOSITION.—*Class III.*—Gustin and Lufkin, equal.

GEOMETRY AND ARITHMETIC.—*Class I.*—Gustin and Lufkin, equal.

TRIGONOMETRY AND ALGEBRA.—*Class I.*—Gustin. *Class II.*—Lufkin.

LOGIC.—*Class I.*—Gustin. *Class II.*—Lufkin.

ENGLISH.—*Class I.*—Gustin. *Class II.*—Lufkin.

FRENCH.—*Class III.*—Gustin, Lufkin.

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## FACULTY OF APPLIED SCIENCE.

### GRADUATING CLASS.

LOUIS GREENBERG.—British Association Gold Medal; Honours in Theory of Structures, Hydraulics, Thermodynamics, Designing and Geodesy.

JAMES A. MACPHAIL.—Stanley Silver Medal, Honours in Theory of Structures, Thermodynamics, Designing and Geodesy.

THOMAS M. MCLEOD.—Honours in Theory of Structures and Thermodynamics.

LEONARD L. STREET, B.A.—Honours in Theory of Structures.

ROBERT C. HOLMAN.—Honours in Dynamics of Machinery.

HENRI HERDT.—Honours in Designing and Metallurgy, Second Rank Honours in Natural Science.

JOHN H FEATHERSTON.—Second Rank Honours in Natural Science.

HOWARD T. BARNES.—Honours in Mineralogy, Metallurgy and Chemistry.

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## THIRD YEAR.

Frank H. Pitcher.—Prize in Experimental Physics
Henry M. Mackay, B.A.—Prizes in Theory of Structures, and Surveying.
Joseph K. Henry, B.A.—Prizes in Mathematic, Dynamics of Machinery and Electrical Engineering.
Wm. A. Duff.—Prize in Machine Design.
Orton E. S. Whiteside.—Prize in Practical Chemistry.
Herbert Molson.—Prizes in Theoretical Chemistry, Geology and Zoology.
Alexander Brodie.—Prize for collection of plants. Prize in Mineralogy.
Edward Darling.—Prize in Michanical Drawing.

### PASSED THE SESSIONAL EXAMINATION.

CIVIL ENGINEERING

Henry M. Mackay, B.A. Pictou, N.S

ELECTRICAL ENGINEERING.

Joseph Kaye Henry, B.A., Sennatt, N.Y.
Herbert Harold Shaw, Brackley Point, P.E.I.
Francis Henry Pitcher, Montreal.
Charles Henry B. Longworth, Charlottetown, P.E.I.
Arthur K. Holden, B.A., Montreal.
*John Wm. Morris, Wallace, Nova Scotia.
*Alfred Collyer, Sussex, England.

MECHANICAL ENGINEERING.

William A. Duff, Montreal.
Edward Darling, Montreal.
Leonard W. E. Dyer, Montreal.
Arthur L. Mudge, Montreal.
James S. Costigan, Montreal.
*Walter M. Scott, Charlottetown, P.E.I.
*John H. Larmonth, Ottawa Ont.

MINING ENGINEERING.

Orton E. S. Whiteside, Metcalfe, Ont.
*Arthur A. Cole, B.A., Montreal.
Frank Lambert, England.
*William W. Leach, Montreal
*Robert A. Gunn, Montreal.

*Supplemental in one subject.

PRACTICAL CHEMISTRY.

Herbert Molson, Montreal.
Alexander Brodie, Quebec.
Matthew F. Connor, Ottawa, Ont.

## SECOND YEAR.

William F. Carter.—Prizes in English, French, Mapping, and Surveying.
Fred. M. Becket.—Prize in German.
Ralph B. McDunnough.—Prizes in Mathematics, Experimental Physics, and Mechanism.
Francis A. Wilkin.—Prizes in Mathematics and Surveying.
Robert O. King.—Prizes in Descriptive Geometry and Mechanical Drawing.
John C. Gwillim.—Prize in Zoology.
Henry E. Huestis.—Prize in Mapping.
Orobio C. Hart.—Prize in Zoology.

### PASSED THE SESSIONAL EXAMINATION.

CIVIL ENGINEERING.

Francis Alfred Wilkin, Calgary, N.W.T.
William Frederick Carter, Cowansville, Q.
Harry Ernest Huestis, Halifax, N.S.
*Wilfrid Dougall, Montreal.

ELECTRICAL AND MECANICAL ENGINEERING.

Ralph B. McDunnough, Montreal.
Robert Owen King, Montreal.
William Currie, Montreal.
George Dewar McDougall, Amherst, N.S.
Hugh C. Baker, Montreal.
Alfred Scott, Port Hope, Ont.
Henry Richard Trenholme, Montreal Junction, Q.
Alexander R. Greig, Côte St. Antoine Q. } equal.
Sampson Paul Robins, Montreal. }
William Forrest Angus, Montreal.
Michael Edward Griffin, Georgetown, P.E.I.
Frederick Mark Becket, Montreal.
Peter McNaughton, Huntingdon, Q.
Frank Doughty Rogers, Montreal.
*George Nelson Boright, Sutton, Q.
*Edward Preston Johnson, Ottawa, Ont.
*John Primrose, Pictou, N.S.
*Thomas Francis Niven, Montreal.
*Kenneth Moodie, Chesterville, Ont.

* Supplemental in one subject.

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MINING ENGINEERING.

Orobio Chandler Hart, Cowansville, Q.
John Cole Gwillim,
Charles Edy Van Barneveld, Grindstone, Magdalen Islands, Que.
*William Steele Johnson, B.A., Clapham, Que.

## FIRST YEAR.

Robert H. Stewart.—Prizes in Mathematics, Descriptive Geometry, and Practical Chemistry.
Harry A. Chase.—Prize in Descriptive Geometry.
Lester W. Gill.—Prize in Descriptive Geometry.
J. S. R. Green.—Prize in French.
Thos. F. Kenny.—Prizes in German, General Chemistry, and English.
John W. Hunter.—Prize in Descriptive Geometry.

### PASSED THE SESSIONAL EXAMINATION.

Robert Holden Stewart, Montreal.
Thomas Frederick Kenny, Ottawa, Ont.
Harry A. Chase, Kentville, N.S.
Lester Willis Gill, Little York, P.E.I.
George Gray Hare, St. John, N.B.
Francis Edward Courtice, Port Perry, Ont.
Charles Harvey Wright, Renfrew, Ont.
George Alexander Atkinson, Montreal.
Joseph S. R. Green, Montreal.
Henry C. Morgan, Ottawa, Ont.
Ernest Randolph Clarke, Stratford, Ont.
William Munroe Archibald, Truro, N.S.
John William Hunter, Kingston, Ont.
G. Matile Dougall, Montreal.
William McDougall, Ormstown, Q.
George Alexander Walkem, Kingston, Ont.
William Morton Webb, Petrolia, Ont.
Frank Herbert White, Montreal.
Albert Edward Smaill, Montreal.
Carl Reinhardt, Montreal.
Horace W. Mussen, Aurora, Ont.
Arthur McCallum, Maxwell, Ont.
George Laroy Huntington, Colebrook, N.S. } equal
Duncan T. McLaren, Montreal. }
*William Morley Ogilvie, Cumming's Bridge, Ont.
*James Stafford Bishop, Montreal.

* Supplemental in one subject.

*Herbert Reginald Balfour, Montreal.
Hanam Hugh Barclay, St. Andrew's East, Que.
*Thomas Ferguson, Peterboro, Ont.
Fitzherbert H. Buchanan, Montreal.

At the Examinations held at the opening of the Session, the following Exhibitions and Prizes were awarded :—

Louis Greenberg and James A. MacPhail, equal, British Association Exhibition of $50.
Joseph K. Henry, B.A., Scott Exhibition of $60.
George D. McDougall, British Association Prize of $25.
Robert O. King, British Association Prize in Chemistry.
James A. MacPhail, Peterson Prize for Summer Report.
—— ——, Greenshields Prize for Summer Report.
—— ——, Greenshields Prize for Summer Report.
Henry M. Mackay, B.A., Prize for Transit Work.
Robert A. Gunn, Prize for Transit Work.

## WORKSHOP PRIZES.

Lester W. Gill and William McDougall, equal, Fleet Prize in Wood Work (open to the First Year).
Robert O. King, Peck Prize in Machine Work (open to all students of the Faculty).
Michael E. Griffin, Garth Prize in Smith Work.
Alexander R. Greig, Garth Prize of $12 in Foundry Work.
Hugh C. Baker, Garth Prize of $8 in Foundry Work.
Leonard W. E. Dyer, Drysdale Prize in Pattern Work.

## DEGREE OF MASTER OF ENGINEERING.

Richard S. Lea, B.A.Sc.

## DEGREE OF MASTER OF APPLIED SCIENCE.

John H. Antliff, B.A.Sc.

## STANDING IN THE SEVERAL SUBJECTS.

### SUMMER WORK.

FOURTH YEAR.—*Class I.*—McPhail (*Disposal of Sewage* at Marlboro, Mass.), Greenberg (*Asphalt Pavements for Streets*); Herdt (H.) (*The Paris Sewers*) and McLeod (*Cranes*), equal; Street (*The St. John Valley Ry.*). *Class II.*—Bowden (*Mill Dams*) and Murphy (*Marshall Valve Gear*) and Ryan (*Street Pavements*), equal; Herdt (L.) (*Hackworth Valve Gear*) and Laurie (*Hackworth Valve Gear*), equal; Featherston (*Phosphates of Ontario*) and Stevenson (*Agriculture*), equal; Burns (*Hackworth Valve Gear*) and Holman (*Marshall Valve Gear*), equal; Rankin (*Consummation of Smoke*); Barnes (*Dynamos and Electric Lighting*) and

*Supplemental in one subject.

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Massey (*Marshall Valve Gear*), equal. *Class III.*—Robert (*Brooklyn Bridge*), Simpson (*Marshall Valve Gear*).

THIRD YEAR.—*Class I.*—Shaw (*Northumberland Straits Tunnel*) and Scott (*Planer Work*) and Whiteside (*Mining in the Ottawa District*), equal; Brodie (*May flowers in Quebec*) and Cole (*Derricks for Harbor Works*) and Connor (*Spectrum Analysis*) and Duff (*Switchwork for Toronto Street Railway*), equal. *Class II.*—Henry (*Steam Engine Indicators*) and Collyer (*Derricks for Harbour Works*) and Dyer (*Bridge Building, Practice*) and Longworth (*P. E. I. Tunnel*) and Pitcher (*Electric Bell Construction*), equal; Costigan (*Locomotives and Locomotive Works*), Darling (*Nordenberg Automatic Cut-off*). *Class III.*—Holden (*Electrical Units*) and Molson (*Aluminium*) and Lowrey (*Plane-table Surveying*), equal; Mudge (*Pattern Making*), Leach (*Survey of Rainy River District*) and Morris (*Electric Heating*) and Scammell (*Plane-table Surveying*), equal; Larmonth (*Slide Valves*), Gunn (*Railroad Curves*), Lambert (*Thetford Asbestos and its Mining at Black Lake*).

DESIGNING.

FOURTH YEAR.—(Civil Eng.)—*Class I.*—Greenberg and McPhail (equal). *Class II.*—Street, McLeod, Ryan, Robert, Bowden. *Class III.*—Stevenson, Rankin.

(Mech. Eng.)—*Class I.*—Burns. *Class II.*—Herdt (L.) and Murphy, equal; Laurie. *Class III.*—Massey, Holman and Simpson, equal.

(Mining Eng.)—*Class I.*—Herdt (H.), Featherston.

MACHINE DESIGN.

FOURTH YEAR.—*Class I.*—Holman. *Class II.*—Murphy, Herdt (L.). *Class III.*—Laurie, Massey, Burns, Simpson.

THIRD YEAR.—*Class I.*—Duff. *Class II.*—Henry, Shaw. *Class III.*—Longworth, Pitcher, Darling, Holden, Dyer, Mudge, Morris; Collyer and Larmonth, equal; Costigan and Scott, equal.

MECHANICAL DRAWING.

THIRD YEAR.—*Class I.*—Darling; Morris and Collyer, equal. *Class II.*—Mudge; Costigan and Dyer, equal; Henry; Duff and Longworth and Shaw, equal. *Class III.*—Larmonth, Scott, Pitcher, Holden.

SECOND YEAR.—*Class I.*—King and Plummer, equal; McDougall, Baker, Turner. *Class II.*—Currie and Griffin, equal; Moodie, Angus, McDunnough; Coté and Robins and Trenholme, equal, McNaughton, Rogers, Becket; Johnson (E. P.) and Nivin and Primrose, equal; Blackburn, Scott, Greig, Olive, Boright, White.

DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—Holman, Herdt (L.). *Class II.*—Massey and Murphy, equal. *Class III.*—Laurie, Burns, Simpson.

THIRD YEAR.—*Class I.*—Henry; Duff and Longworth and Pitcher, equal; Darling. *Class II.*—Shaw, Holden. *Class III.*—Dyer; Costigan and Larmonth and Mudge, equal.

MECHANISM.

SECOND AND THIRD YEARS.—*Class I.*—McDunnough, Currie, Mackay, King. *Class II.*—Whiteside. Nivin, Primrose; Angus and Rogers and Baker, equal. *Class III.*—Plummer, Greig; Becket and Griffin, equal; Boright and Cole and Côté, equal; Robins; McNaughton and McDougall and Moodie, equal; Lonergan and Scott and Turner, equal; Johnson (E. P.), Trenholme, Leach, Gunn.

THERMODYNAMICS.

FOURTH YEAR.—*Class I.*—Greenberg, McLeod; Holman and McPhail, equal; Herdt (L.). *Class II.*—Murphy, Herdt (H.); Laurie and Street, equal; Bowden, Burns, Massey. *Class III.*—Ryan, Featherston; Stevenson and Simpson, equal; Rankin, Robert.

THEORY OF STRUCTURES.

FOURTH YEAR.—*Class I.*—Greenberg, McPhail. *Class II.*—Street and McLeod, equal. *Class III.*—Robert, Ryan, Stevenson, Bowden, Rankin.

THIRD YEAR.—(Civil Engineering, Mining and Mechanical Students).—*Class I.*—Mackay. *Class II.*—Darling, Dyer, Whiteside, Scammell; Duff and Lonergan, equal. *Class III.*—*Cole, Mudge *Costigan; *Leach and Scott, equal; *Lorway, *Larmonth, *Gunn, *Lambert.

THIRD YEAR.—(Electrical Students).—*Class I.*—Shaw. *Class II.*—Henry, Pitcher, Longworth, Collyer. *Class III.*—Morris, Holden.

THEORY OF STRUCTURES (*Advanced*).

FOURTH YEAR.—McPhail and Greenberg, equal; McLeod, Street.

THIRD YEAR.—Duff and Mackay, equal; Lonergan.

HYDRAULICS.

FOURTH YEAR.—*Class I.*—Greenberg. *Class II.*—Holman, Herdt (L.), Herdt (H.), McPhail; McLeod and Robert, equal. *Class III.*—Laurie, Massey, Murphy; Featherston and Ryan, equal; Street, Burns, Stevenson, Simpson, Bowden.

HYDRAULICS (*Advanced*).

FOURTH YEAR.—Greenberg, Street, McLeod, McPhail.

ELECTRICAL ENGINEERING.

THIRD YEAR.—*Class I.*—Henry, Longworth. *Class II.*—Shaw, Pitcher. *Class III.*—Collyer and Morris, equal; Barbour, Holden.

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*Supplemental in Paper II.

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DESCRIPTIVE GEOMETRY.

THIRD YEAR.—*Class I.*—Mackay. *Class II.*—None. *Class III.*—Lonergan.

SECOND YEAR.—*Class I.*—King, Carter, McDunnough, Currie. *Class II.*—Baker, Wilkin; Robins and Trenholme, equal; Greig, Becket, Hart, MacNaughton; Huestis and McDougall (G. D.), equal; Metcalfe, Griffin; Primrose and Scott, equal. *Class III.*—Plummer, Angus, Gwillim Askwith, Van Barneveld; Moodie and Turner, equal; Rogers, Johnson (E. P.), Dougall.

FIRST YEAR.—*Class I.*—Chase and Gill and Hunter and Stewart, equal; Wright, Courtice, White, Hare; Morgan and Kenny, equal; Archibald, Mussen. *Class II.*—Girdwood, Clarke; Walkem and Ogilvie, equal; McDougall (W.), Green, McLaren, Barclay; Webb and Smail and Rutherford (G.) and Reinhardt and Dougall (G. M.), equal; Atkinson, Bayfield, Sise, Haycock. *Class III.*—Huntington, Bishop, Balfour, McCallum, Rutherford (S.), McKenzie (C. A.), Ferguson, Alley.

GEODESY AND PRACTICAL ASTRONOMY.

FOURTH YEAR.—*Class I.*—Macphail and Greenberg, equal. *Class II.*—Street and McLeod, equal; Ryan, Rankin. *Class III.*—Stevenson, Bowden, Robert

SURVEYING.

THIRD YEAR.—*Class I.*—Mackay. *Class II.*—Whiteside, Cole, Gunn. *Class III.*—Adams and Leach, equal; Lorway, Scammell, Lambert, Lonergan.

SECOND YEAR.—*Class I.*—Adams; Wilkin and Carter, equal; Huestis, Balloch Gwillim, Hart. *Class II.*—Askwith, Dougall, Johnson, Metcalfe, Van Barneveld.

FREEHAND DRAWING.

FIRST YEAR.—*Class I.*—Bayfield, Stewart; Mussen and Clarke, equal. *Class II.*—Webb and Morgan, equal; Reinhardt, Balfour, Holland, Alley, Bishop, Haycock and Chase, equal; Kenny; Barclay and Gill and Hunter, equal; Atkinson and Dougall and Ogilvie and Mackie, equal; Smaill; McLaren and White, equal; Ferguson and Green and Sise and Rutherford (S. F.) and Walkem, equal; Rutherford (G.) and Courtice, equal; Wright and Archibald, equal; Manson and Loeb, equal; Reid and Hare, equal; McCallum. *Class III.*—Cunningham; Weldon and McDougall, equal; Mill, Huntington.

MAPPING.

FIRST YEAR.—*Class I.*—Bayfield and Girdwood, equal; Reinhardt, Gill, Wright Chase and Weldon, equal; Stewart, Morgan; Mackie and Mussen, equal *Class II.*—Huntington, Webb, Smaill, Clarke, Hare, Rutherford (S.) Kenny and Purves and Reid, equal; Holland and Hunter, equal; Archibald and Ogilvie, equal; Balfour and Dougall and Ferguson and Manson, equal; McDougall and Atkinson and Cunningham, equal; Mc-

Murchy and Weldon, equal; Green, Haycock; Bishop and Sise, equal; Walkem; Courtice and Mill and McLaren, equal; *Class III.*—Alley, Loeb, Rutherford (G.), McCallum.

SECOND YEAR.—*Class I.*—Carter and Huestis, equal. *Class II.*—Adams and Wilkin, equal; Dougall; Buchanan and Balloch, equal; Askwith and Hart and Gwillim, equal; Metcalfe and Van Barneveld and Johnson (W. S.), equal.

THIRD YEAR.—*Class II.*—Lonergan, Scammell, Mackay, Lorway.

ESSAYS.

FOURTH YEAR.—(*Civil Engineering*).—*Class I.*—Greenberg, Macphail. *Class II.*—Bowden and Street, equal; Rankin, Ryan, Stevenson. *Class III.*—Robert, McLeod. (*Mechanical Engineering*).—*Class I.*—None. *Class II.*—Holman and Laurie and Murphy, equal; Burns and Herdt (L.) equal. *Class III.*—Massey, Simpson.
(*Mining*).—*Class I.*—Herdt (H.), Featherston.
(*Chemistry*).—*Class I.*—Burns.

THIRD YEAR.—(*Civil Engineering*).—*Class I.*—Mackay. *Class II.*—Lorway, Scammell, Lonergan. (*Electrical Engineering*).—*Class I.*—Pitcher, Longworth, Morris, Holden, Henry, Shaw. *Class II.*—Collyer. (*Mechanical Engineering.*)—*Class I.*—None. *Class II.*—Darling. (*Mining Engineering*).—*Class I.*—Côté and Connor and Gwillim, equal. *Class II.*—Whiteside; Leach and Gunn, equal; Lambert. (*Practical Chemistry*).—*Class I.*—Molson and Brodie, equal.

SECOND YEAR.—*Class I.*—Carter and Wilkin, equal; Gwillim and Huestis equal; Blackburn and Hart, equal. *Class II.*—Balloch; King and McDunnough, equal; Greig and Nivin and Van Barneveld, equal; Angus and Askwith and Becket and Currie and Griffin and Metcalfe and Turner and Primrose, equal. *Class III.*—Baker and Boright and McDougall and McNaughton and Rogers, equal; Plummer and Robins and Trenholme, equal; Côté and Johnson (E. P.) and Moodie and Johnson (W. S.) and Scott, equal; Olive; Dougall and White, equal.

METALLURGY.

FOURTH YEAR.—*Class I.*—Herdt (H.), Barnes. *Class II.*—Featherston.

MINING.

THIRD YEAR.—*Class I.*—Cole, Lambert. *Class II.*—Whiteside and Leach, equal; Adams, Gunn.

MINERALOGY.

FOURTH YEAR.—(*Mining*).—*Class II.*—Herdt (H.), Featherston.

FOURTH YEAR.—(*Practical Chemistry*).—*Class I*—Barnes.

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CHEMISTRY (*General*).

THIRD YEAR.—(*Chemistry Course*).—*Class I.*—Molson, Brodie. *Class II.*—Connor.

FIRST YEAR.—*Class I.*—Kenny; Atkinson and Stewart, equal; Archibald and Gill and Green, equal. *Class II.*—Hare and Morgan, equal; Chase, Courtice, Dougall, McDougall; Smaill and White, equal; Clarke and Wright, equal; Reinhardt. *Class III.*—Huntington, Mussen, Manson, McCallum, Walkem, Buchanan, Webb, Hunter, Mackie; Barclay and McLaren, equal; Ferguson, Ogilvie.

CHEMISTRY (*Practical*).

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Barnes.

THIRD YEAR.—(*Chemistry Course*).—*Class I.*—Molson, Brodie, Connor. (*Mining Course*).—*Class II.*—Whiteside, Cole. *Class III.*—Leach, Gunn, Lambert.

SECOND YEAR.—(*Mining Course*)—*Class I.*—None. *Class II.*—Van Barneveld, Gwillim, Hart, Wilkin, Johnson. *Class III.*—Metcalfe.

FIRST YEAR.—*Class I.*—Stewart, Kenny, Greene; Atkinson and Wright, equal; McDougall, Clarke, Dougall; Hare and Smaill and Webb, equal; Chase and Courtice, equal. *Class II.*—White; McCallum and Manson, equal; Gill, Reinhardt, Bishop, Huntington, Ferguson, Walkem, Rutherford (G.), Archibald, Hunter; Balfour and Rutherford (S. F.), equal; Ogilvie, McLaren, Reid. *Class III.*—Sise; Barclay and Mussen, equal; Buchanan; Bayfield and Mackie and Mill and Morgan, equal.

CHEMISTRY (*Inorganic*).

FOURTH YEAR.—(*Chemistry Course*).—*Class I.*—Barnes.

CHEMISTRY (*Organic*).

FOURTH YEAR.—(*Chemistry Course*)—*Class I.*—Barnes.

DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—Holman, Herdt (L). *Class II.*—Massey and Murphy, equal. *Class III.*—Laurie, Burns, Simpson.

THIRD YEAR.—*Class I.*—Henry; Duff and Longworth and Pitcher, equal; Darling. *Class II.*—Shaw, Holden. *Class III.*—Dyer; Costigan and Larmonth and Mudge, equal.

ASSAYING.

FOURTH YEAR.—*Class II.*—Featherston, Herdt (H).

MINERALOGY (*Advanced*).

THIRD YEAR.—*Class I.*—Brodie. *Class II.*—Molson; Connor and Whiteside, equal; Leach, Cole. *Class III.*—Gunn (Supplemental in Theoretical part).

GEOLOGY.

FOURTH YEAR.—*Class II.*—Herdt (H.), Featherston, Adams.

GEOLOGY.

THIRD AND FOURTH YEARS.—*Class I.*—Molson, Barnes, Whiteside. *Class II.*—Connor, Leach, Mackay. *Class III.*—Gunn, Lonergan, (*Aeg.*) Brodie.

ZOOLOGY.

SECOND AND THIRD YEARS.—*Class I.*—Molson, Brodie; Gwillim and Hart, equal; Carter. *Class II.*—Huestis, Connor, Van Barneveld, Wilkin. *Class III.*—Johnson (W. S.), Dougall (W.), Askwith.

MATHEMATICS.

THIRD YEAR.—*Class I.*—Henry, Mackay; Duff and Pitcher, equal; Holden, Shaw. *Class II.*—Darling, Whiteside. *Class III.*—Morris; Longworth and Mudge, equal; Collyer* and Dyer, equal; Costigan, Scott.

SECOND YEAR.—*Class I.*—McDunnough and Wilkin, equal; King; Carter and McDougall (G.), equal. *Class II.*—Scott (A.), Huestis; Currie and Hart, equal; Trenholme, Baker, Angus, Gwillim. *Class III.*—Adams, Griffin, Boright, Dougall (W.); Greig and McNaughton, equal; Rogers, Niven, Metcalfe; Blackburn* and Robins, equal; Van Barneveld* Johnson (E. P.)*, Becket.‡

FIRST YEAR.—*Class I.*—Stewart, Chase, Kenny, Dougall (G.). *Class II.*—Hare, Gill, Courtice, Atkinson, Archibald, Morgan, Clarke, Wright, Greene, Walkem, Hunter. *Class III.*—Webb, McDougall (W.), McLaren, Buchanan; Bishop† and Ogilvie* and Rutherford (S.)* equal; Barclay,* Rutherford (G.)*, Reinhardt, McCallum, Smaill †; Balfour and Huntington, equal; Mussen, White, Bayfield.

* To pass Supplemental in Mechanics.
† " " " " Algebra.
‡ " " " " Calculus.

EXPERIMENTAL PHYSICS.

THIRD YEAR.—*Class I.*—Pitcher, Molson, Mackay, Longworth, Morris; Duff and Holden, equal; Henry, Shaw, Brodie. *Class II.*—Mudge; Connor and Dyer, equal; Collyer, Costigan. *Class III.*—Whiteside, Darling; Larmonth and Scott, equal; Gunn, Leach, Scammell, Lonergan.

SECOND YEAR.—*Class I.*—McDunnough; Carter and King, equal; Wilkin, Robins. *Class II.*—Currie, Greig, Boright, Huestis. *Class III.*—Askwith, Scott, White, McDougall, Rogers, Gwillim, Balloch; Angus and Van Barneveld and Blackburn and McNaughton, equal; Becket and Metcalfe, equal; Plummer; Hart and Primrose, equal; Coté and Johnson (W.S.) and Moodie, equal; Griffin, Trenholme, Baker, Niven.

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ENGLISH LANGUAGE AND LITERATURE.

FIRST YEAR.—*Class I.*—Kenny, Chase, Atkinson, Courtice; Green and Archibald, equal; McDougall (W.) and Stewart, equal. *Class II.*—Gill and Hare, equal; Ferguson, Clarke; McCallum and Huntington, equal; Walkem, Morgan. *Class III.*—Smaill and Manson, equal; Dougall (G.M.); Alley and Balfour and Hunter and Wright, equal; Holland and Mackie, equal; Mussen, Sise; McLaren and Bishop and Webb, equal; Haycock and White and Bayfield, equal; Reinhardt, Mill; Ramsay and Cunningham, equal.

SECOND YEAR.—*Class I.*—Carter, Gwillim, King; McDunnough and Van Barneveld and Huestis, equal, Wilkin, Plummer. *Class II.*—Coté and Currie, equal; Hart, Becket, Askwith, White, Boright, Griffin. *Class III.*—Blackburn, Balloch, McDougall; McNaughton and Metcalfe, equal; Angus and Trenholme, equal; Greig, Robins, Niven; Primrose and Moodie, equal; Dougall, Scott, Johnson, Baker, Rogers.

FRENCH.

SECOND YEAR.—*Class I.*—Carter, McDunnough. *Class II.*—Currie, Coté, Van Barneveld, King, Huestis. *Class III.*—Hart, Angus, White, Robins, Trenholme, McNaughton, McDougall, Boright.

FIRST YEAR.—*Class I.*—Green, Wright, Stewart (R.H.). *Class II.*—Clarke, Gill, Atkinson. *Class III.*—Hare, Webb, Chase, Barclay, White, Smaill, Balfour, Mill, Rutherford (G.S.), Reinhardt, Sise.

GERMAN

SECOND YEAR.—*Class I.*—Becket, Gwillim. *Class II.*—Johnson (E. P.), Wilkin, Rogers, Scott; Greig and Primrose, equal. *Class III.*—Niven; Moodie and Griffin, equal; McDougall, Askwith, Blackburn, Baker.

FIRST YEAR.—*Class I.*—Kenny, Courtice. *Class II.*—McDougall, Walkem, Manson, McCallum, Hunter, Morgan, Archibald, McLaren, Bishop. *Class III.*—Mussen, Haycock; Ferguson and Ogilvie, equal; Reid and Huntington, equal; Buchanan.

LABORATORY WORK.

FOURTH YEAR —(*Testing Laboratory.*) *Class I.*—Greenberg and MacPhail equal; Street, Ryan. *Class II.*—McLeod, Robert, Stevenson. *Class, III.*—Bowden, Rankin.

FOURTH YEAR.—*Cement Testing Laboratory, Civil and Mechanical Students. Class I.*—MacPhail, Greenberg, Street, McLeod, Burns, Herdt (L.), Ryan. *Class II.*—Murphy, Massey, Robert, Laurie, Holman, Stevenson. *Class III.*—Bowden, Simpson, Rankin.

FOURTH YEAR.—(*Cement Testing Laboratory, Mining Students*). *Class I.*—Herdt (H.), Featherston.

FOURTH YEAR.—(*Thermodynamic Laboratory*). *Class I.*—Murphy. *Class II.*—Burns and Laurie, equal; Herdt (L.) and Holman, equal. *Class III.*—Massey, Simpson.

FOURTH YEAR.—(*Geodetic Laboratory and Astronomical Work.*) *Class I.*—Greenberg. *Class II.*—Street, MacPhail, McLeod. *Class III.*—Rankin, Stevenson, Bowden, Ryan.

THIRD YEAR.—(*Testing Laboratory.*) *Class I.*—Mackay. *Class II.*—Lonergan, Scammell. *Class III.*—Lorway.

THIRD YEAR.—(*Cement Testing Laboratory.*) *Class I.*—Mackay, Dyer, Mudge, Shaw; Henry and Pitcher and Darling and Costigan and Longworth and Morris, equal. *Class II.*—Scammell, Scott, Colyer. *Class III.*—Holden, Lorway, Larmonth.

WORKSHOPS.

FOURTH YEAR.—(Mechanical). *Class I.*—Murphy, Laurie. *Class II.*—Burns, Simpson, Herdt (L.), Massey, Holman.

THIRD YEAR.—(Mechanical and Electrical). *Class I.*—Dyer, Costigan, Darling Shaw; Colyer and Larmonth, equal. *Class II.*—Scott, Mudge Duff, Henry. *Class III.*—Morris; Longworth and Holden, equal.

THIRD YEAR.—(Civil). *Class I.*—None. *Class II.*—Mackay, Lonergan.

SECOND YEAR.—(Mechanical and Electrical). *Class I.*—Griffin, King, Coté; Greig and McDunnough, equal; Boright; Currie and Robins, equal; Johnson (E. P.), Baker; McNaughton and Scott, equal; Moodie, Blackburn, Olive; Rodgers and White, equal; McDougall; Niven and Primrose, equal; Becket, Trenholme. *Class II.*—Angus, Plummer, Turner.

SECOND YEAR.—(Civil and Mining). *Class I.*—Huestis, Carter, Balloch, Wilkin. *Class II.*—Johnson (W S.), Metcalf. *Class III.*—Hart, Gwillim Askwith and Van Barneveld, equal; Dougall (W.).

FIRST YEAR.—*Class I.*—Gill, Hunter, McDougall, Wright, Morgan, Girdwood, Haycock. *Class II.*—Holland and Mackie, equal; Stewart, McKay, Clark and Mill, equal; Buchanan and Huntington, equal; Reinhardt; Chase and Lafrenaye, equal; Bayfield and Kenny and Weldon and White, equal; Atkinson and Dougall (G.) and McMurchy, equal; Tylee and Walkem, equal. *Class III.*—Purves and Smaill, equal; Barclay, Mussen, Rutherford (G. S.), Killaly; Hare and Loeb and Ogilvie and Reid and Rutherford (S. F.) and Webb, equal; Archibald and Bishop and Ferguson and McCallum, equal; Fairman and Green, equal; Riley, Courtice; Merritt and McLaren, equal; Sise, Balfour, St. George (*aegrot*), Jones.

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# Students of the University.

## SESSION 1892-93.

## McGILL COLLEGE.

## FACULTY OF LAW.

### FIRST YEAR.

| | | | |
|---|---|---|---|
| Barron, Robert H., B.A., | Lachute, Q. | Maynard, Etienne, | St. Gregoire, Ib., Q |
| Carmichael, Saumarez, | Montreal | Patterson, Wm., | Ormstown, Q. |
| Devlin, Emm. B., | Aylmer, Q. | Sauvé, Narc. Albert, | Valleyfield, Q. |
| Gaudet, Dom. Chas., | Three Rivers, Q. | Sheridan, Philip, | Montreal |
| Lamoureux, E. M. J., | St. Sebastian, Q. | Swindlehurst, Albert, | Accrington, Eng. |
| Landry, J., St. Pierre, | Montmagny, Q. | Whelan, John P., | Montreal |
| Lebeuf, Lorenzo P., | Batiscan, Q. | | |

### SECOND YEAR.

| | | | |
|---|---|---|---|
| Cox, Wm. Hy., B.A., (Laval) | Montreal | Jones, Arthur Geo., | Richmond, Q. |
| Dunlop, John H., | Montreal | MacDougall, Gordon W., | Rawdon, Q. |
| Hogle, Arthur, | Sherbrooke, Q. | Sawyer, Baunell, | Rawdon, Q. |
| Internoscia, Jerome, | Bapolla, Italy | Walsh, J. Chas., B.A. (Laval), | Montreal |

### THIRD YEAR.

| | | | |
|---|---|---|---|
| Cameron, J. Alex., B.A., | Huntingdon, Q. | Hall, Alex. Rives, B.A., | Toronto, O. |
| Curran, Francis Jos., B.A., | Montreal | Harwood, Chas. Aug., | Vaudreuil, Q. |
| Davidson, Peers, B.A, | Montreal | Hutcheson, Rbt. Bennett, | Montreal |
| Geoffrion Aimé, | Montreal | Jacobs, Sam. W., | Lancaster, O. |
| Glass, Lewis Gordon, | Woodstock, N.B. | Johnson, Alex. Ronald, B.A., | Montreal |

### PARTIAL AND OCCASIONAL.

| | | | |
|---|---|---|---|
| Bessette, Wilfrid, | Mt. Johnson, Q. | O'Leary, Emil, | Montreal |
| Ogilvie, Douglas W., | Montreal | Ringland, Jos., | Shanagan, Co. Down, Ireland. |

# FACULTY OF MEDICINE.

## FIRST YEAR.

Archibald, E. W., B.A., Montreal
Argue, J. F., Carp, O.
Barclay, J., Montreal
Barry, Fred., Montreal
Birkett, F. W., Ottawa, O.
Bonnell, S., North Sydney, N.S.
Braithwaite, J. M., Montreal
Brown, W. K., Quebec
Brunelle, P., Lowell, Mass.
Bullard, C., Boston, Mass.
Campbell, E. J., Carnduff, Assa.
Church, C. H., Montreal
Church, J. M., Aylmer, Q.
Church, H. M., Montreal
Clendinning, S. L., Brighton, O.
Colquhoun, P., B.A., Colquhoun, O.
Corbett, F. A., B.A., Parrsboro, N.S.
Craig, R. H., Montreal
Curran, T. J., Montreal
Deacon, G. R., Stratford, O.
Dean, W. E., Toronto, O.
Denny, H. E., Montreal
Donahoe, M., Cardigan Bridge, P.E.I.
Douglas, J. A., Chatham, O.
Draper, A. L., Vancouver, B.C.
Drum, A., B.A., Quebec
Duckett, F., Montreal
Dunbar, W. R., New Glasgow, N.S.
Dyer, A., Montreal
Edwards, A. F., Thurso, Q.
Ellis, G. H., Dundela, O.
Elliott, F. B., Mayfair, O.
Fairie, A. F., Montreal
Ferguson, J. A., Smith's Falls, O.
Ferguson, W. R., Niagara Falls, O.
Ferguson, J. B., Kemptville, O.
Findlay, C., Hamilton, O.
Fish, E. C., Newcastle, N.B.
Fisk, W. M., Abbotsford, Q.
Fraser, H. B., B.A., Westmeath, O.
Fyfe, John, Mount Forest, O.
Gilday, F. W., Montreal
Grant, D., Pictou, N.S.
Grant, A. J., Pembroke, O.
Healey, D. J., Sault Ste. Marie, O.
Hogan, E. V., B.A., Weymouth, N.S.
Howell, W. B., Montreal
Irvine, A. D., Montreal
Jack, A. C., Montreal
Jackson, F. S., Montreal
Kelly, J. K., Almonte, O.
Kemp, H. G., Brighton, O.
Kendrick, W. H., Austin, Minn.
Lauder, S. E., Durham, Q.
Lee, F. J., Port Hope, O.
Lynch, D. P., Chapeau, Q.
MacCartney, F. W., Montreal
Macauley, J. J. F., River Dennis, N.S.
McAlister, D. H., Belle Isle, N.B.
McArthur, A. W., Williamstown, O.
McConnell, H. C., Lachute, Q.
McEwen, D., St. Elmo, O.
McDonald, H. K., Pictou, N.S.
McLeod, N. D., Montreal
McPherson, D., Montreal
McTaggart, D. D., Montreal
Martin, R. H., Chatham, O.
Milburn, J. A., Peterboro', O.
Mitchell, R. J. W., B.A., Montreal
Moffatt, W. A., Ormstown, Q.
Morse, L. R., B.A., Laurencetown, N.B.
O'Brien, Thos. J., Montreal
Palmer, A. J., Buckingham, Q.
Patrick, D., Montreal
Peake, E. P., B.A., Fredericton, N.B.
Poussette, W. C., Peterboro', O.
Prescott, A. H., Queensburg, N.B.
Rea, W., Huntingdon, Q.
Robins, G. D., B.A., Montreal
Ross, R. O., B.A., N.E. Margaree, N.S.
Secord, J. H., Summerside, P.E.I.
Scott, W. T., Montreal
Shaw, R. B., Covestead, P.E.I.
Smillie, Wm., Huntingdon, Q.
Smith, R. E. G., Woodstock, N.B.
Smith, H. A., N. Sydney, C.B.
Smyth, W., B.A., Montreal
Steeves, C. P., B.A., L. Coverdale, N.B.
Stackhouse, O. C. S., Lachute, Q.
Sterling, A., Fredericton, N.B.
Staples, C. A., Stillwater, Minn.
Tetreau, T., Laurence, Mass.
Tracy, A. W., Sherbrooke, Q.
Trudeau, M. A., Henryville, Q.
Tupper, T. S., Fredericton, N.B.
Underwood, C. R., N. Glasgow, N.S.
Warne, W. A., B.A., Eastman, Q.
Warren, J. F., Harper, O.
Wheeler, F. H., Florenceville, N.B.
Whyte, R. B., Pembroke, O.
Wood, W. S., Faribault, Q.

## SECOND YEAR.

Alexander, C. C., Fredericton, N.B.
Allen, J. H., B.A., West Osgoode, O.
Anthony L. X., Berwick, N.S.
Anderson, D. P., B.A., N. Liverpool, Q.
Bailey, J. W., B.A., Northfield, Minn.
Basken, J. T., Dunrobin, O.

MCGILL UNIVERSITY LIBRARY.

| | |
|---|---|
| Baird, J., | St. Paul, Minn. |
| Beattie, E. D., | Nepean, Q. |
| Bishop, C. W., | Montreal |
| Blow, T. H., | South Mountain, O. |
| Boucher, R. B., | Peterboro', O. |
| Bouck, C. W., | Inkerman, O. |
| Brown, G. T., | Cantley, Q. |
| Burfield, J. C., | Toronto, O. |
| Carron, F. B., | Brockville, O. |
| Chapman, H., | Port Elgin, N.B. |
| Church, A. H., | Montreal |
| Commins, E., | St. Stephen, N.B. |
| Converse, R. D., | Washington, D.C. |
| Cowie, W., B.A., | Montreal |
| Cruikshank, A., | Inverness, Q. |
| Day, J. L., B.A., | Montreal |
| Ewan, R. B., | Montreal |
| Feader, W. A., | Iroquois, O. |
| Foss, A. F., | Sherbrooke, Q. |
| Fox, C. H., | Oxley, O. |
| Fraser, A. D., | Hawkesbury, O. |
| Gallant, C. St. G., | Charlottetb'n, P.E.I. |
| Gardner, J. G., | Montreal |
| Garrett, L., | Montreal |
| Gleason, J. H., | Cowansville, Q |
| Grant, J. P., | New Glasgow, N.S. |
| Gun, A., | Durham, O. |
| Gunn, W. T., | Montreal |
| Hamilton, R., | Bright, O. |
| Hargrave, J. L., B.A., | Rosedale, Man. |
| Harwood, R. de L., | Vaudreuil, Q. |
| Hogg, L., B.A., | London, O. |
| Hogle, J. H., | Montreal |
| Hughson, E. R., | Blenheim, O. |
| Johnson, M. H., | Madoc, O. |
| Johnson, F. E., | Delaware, O. |
| Keith, H. W., | Havelock, N.S. |
| Kerry, R. A., | Montreal |
| King, J. H., | Chipman, N.B. |
| Knapp, H. T., | Sackville, N.B. |
| Lambly, W. D., | Inverness, Q. |
| LeRossignol, W. J., | Montreal |
| Leslie, P. C., | Montreal |
| Link, D. A., | Gravenhurst, O. |
| Lovejoy, G. S., | Montreal |
| McDermott, J. W., | Egansville, O. |
| McLeay, K. L., | Montreal |
| McLean, A. A., | Danville, Q. |
| McKinnon, N., | Park Hill, O. |
| McNally, G. J., Up. | Kingsclear, N.B. |
| McGannon, A. V., | Brockville, O. |
| Mallock, N., | Kenmore, O. |
| Mason, R., | Dalesville, Q. |
| May, G. F., | Montreal |
| Merrick, G. H., | Merrickville, O. |
| Mowatt, W., | Montreal |
| Neill, R. W., | Aylmer, Q. |
| Oliver, W., | Rockburn, Q. |
| Oliver, G. W., | Montreal |
| Oppenheimer, S. S., | Vancouver, B.C. |
| Patrick, D., | Montreal |
| Phelps, S. E., | Montreal |
| Price, B. S., | Springfield, N.B. |
| Proctor, A. P., | Alberni, B.C. |
| Quay, D. E., | Port Hope, O. |
| Ragotte, E. C. F., | Montreal |
| Reilley, W. G., | Ottawa, O. |
| Robertson, J. E., | Morrisburg, Q. |
| Russell, R. H., | Quebec |
| Ryan, E. J., | St. Kitts, N.W.T. |
| Ryan, J. P., | Portage la Prairie, Man. |
| St. Pierre, A. D., | Ripon, Q. |
| Saunders, E., | Woodstock, O. |
| Scammell, J. H., | St. John, N.B. |
| Shaw, H. M., | Berwick, N.S. |
| Spearman, F. S., | Hemmingford, Q. |
| Slack, T. J., | Waterloo, Q. |
| Smith, A. D., | New York |
| Smith, R. A., | Durham, O. |
| Smith, S. R. B., | Brighton, O. |
| Tees, J. S., B.A., | Montreal |
| Thomson, F. L., | Mitchell, O. |
| Vipond, C. W., | Montreal |
| Walker, D. F., | Huntingdon, Q. |
| Watson, J. H., | Barbadoes, W.I. |
| Wickham, W. W., | Summerside, P.E.I. |
| Williams, J. A., | Carleton Place, O. |
| Wood, D. M., | Kenmore, O. |
| Wright, H. K., | Montreal |

THIRD YEAR.

| | |
|---|---|
| Ault, C. R., | Tilsonburg, O. |
| Bazin, A. T., | Montreal |
| Byers, W. G. M., | Gananoque, O. |
| Campbell, R. M., | Montreal |
| Colvin, A. R., | Lethbridge, N.W.T. |
| Conner, W., | Minneapolis, Minn. |
| Crocket, A. P., | Fredericton, N.B. |
| Davidson, A., | Burns, O. |
| Davis, R. E., | Fallowfield, O. |
| Drysdale, W. F., | Perth, O. |
| Evans, J. W., | Hull, Q. |
| Flinn, J. W., | Wallace, N.S. |
| Fowler, E. S., | Hudson, Wis. |
| Fry, F. M., | Montreal |
| Gilman, F. M., | Tusket, N.S. |
| Goltman, A., | Montreal |
| Gorrell, C. W. F., | Brockville, O. |
| Hamilton, G., | Bright, O. |
| Hannington, J. P., | Montreal |
| Hart, E. C., | Baddeck, N.B. |
| Henderson, W., | Dickinson, O. |
| Holohan, P. A., B.A., | Newcastle, N.B. |
| Hepburn, C., | Montreal |
| Irving, E., | Pembroke, O. |

| | |
|---|---|
| Jacques, H. M., | Upper Dyke, N.S. |
| Kearns, J. F., | Metcalfe, O. |
| Kinghorn, H. McL., B.A., | Montreal |
| Lauterman, M., | Montreal |
| MacCarthy, G. S., | Ottawa, O. |
| McRea, J. J., | Laggan, O. |
| McLaren, J. T., | Belle Creek, P.E.I. |
| McLaughlin, J. A., | Avonmore, O. |
| MacLean, C. M., | Cambridge, N.B. |
| McIntosh, L. Y., | Strathmore, O. |
| McKenzie, L. F., | Montreal |
| Macrae, G. B., | Montreal |
| Manchester, G. H., | Ottawa |
| Mathewson, G. H., B.A., | Montreal |
| Meikle, R. H., | Lachute, Q. |
| Mitchell, W., | Lachute, Q. |
| Montgomery, T. E., | Phillipsburg, Q. |
| Nicholls, A. G., B.A., | Montreal |
| O'Connor, E. J., | Ottawa, O. |
| Pritchard, J., B.A., | N. Wakefield, O. |
| Quirk, R. McG., | Montreal |
| Reeves, James, | Eganville, O. |
| Richardson, A., | South March, O. |
| Richardson, H. J., | Chesterville, O. |
| Rimer, F. E., | Bryson, Q. |
| Robertson, A. A., | Montreal |
| Ross, D. W., | Peel, N.B. |
| Ross, H., | Thorburn, N.S. |
| Ross, J. J., | Dewitville, Q. |
| Seaton, J. S., | St. John, N.B. |
| Sharp, E. M., | Havelock, N.B. |
| Shaw, H. S., | Montreal |
| Shillington, A. T., | Kemptville, O. |
| Spring-Rice, T. A., | Montreal |
| Stearns, C. N., | Montreal |
| Stenning, W. A., | Coaticook, Q. |
| Summers, A. A., | Aultsville, O. |
| Walsh, A. W., | Huntingdon, Q. |
| Watson, R. L., | Montreal |
| Whyte, J. T., | Montreal |
| Wolf, C. G. L., | Winnipeg, Man. |
| York, H. E., | Metcalfe, O. |

FOURTH YEAR.

| | |
|---|---|
| Akerley, A. W. K., | Fredericton, N.B. |
| Aylen, E. D., | Aylmer, Q. |
| Barrett, H. H., | Three Rivers, Q. |
| Blunt, H. W., | Knowlton, Q. |
| Bostwick, W. E., | Montreal |
| Brown, J. A., | Sarnia, O. |
| Cameron, J. D., | L'Orignal, O. |
| Carroll, R. W., | Stratford, O. |
| Coburn, A. D., | Keswick Ridge, N.B. |
| Cooper, M. A., | Ormstown, Q. |
| Deeks, W. E., | Montreal |
| Dewar, T. A., | Sarnia, O. |
| Dewar, G. F., | New Perth, P.E.I. |
| DuVernet, E., | Gagetown, N.B. |
| Ellis, W. L., | St. John, N.B. |
| Esty, A. S., | Keswick Ridge, N.B. |
| Flemming, G. W., | Chipman, N.B. |
| Feron, F. M., | Montreal |
| Fulton, C., | Avonmore, O. |
| Goff, H. N., B.A., | Woodville, P.E.I. |
| Gunter, F. B., B.A., | Fredericton, N.B. |
| Haight, M., | New Durham, O. |
| Hall, M. K., | Franklin Centre, Q. |
| Henderson, J. A., | Orangeville, O. |
| Hewitson, S. W., | Montreal |
| Hume, G. W., | Leeds, Q. |
| Internoscia, A., | Montreal |
| Jakes, R. W., | Merrickville, O. |
| Jamieson, W. H., | Montreal |
| Lambly, W. O., | Montreal |
| Lawrence, J. W., | Lower Dumfries, N.B. |
| Lewis, J. T., | Hillsboro', O. |
| Lindsay, W., | St. Mary's, O. |
| McArthur, A. D., | Kenmore, O. |
| MacKay, R. B., B.A., | Toronto, O. |
| McKenzie, R. J., | Melbourne, O. |
| McKenzie, S. R., | Montreal |
| McLennan, K., | Dunvegan, O. |
| McMillan, W., | Alberry Plains, P.E.I. |
| McMorine, R. F., | Richmond, Q. |
| Masten, C., | Lacolle, Q. |
| Matheson, R., | Cardigan, P.E.I. |
| Mills, W. C., | Montreal |
| Morris, F. X., | Fairville, N.B. |
| Moore, J. M., | Belleville, O. |
| Ogden, C. L., | Warrenburg, N.Y. |
| Parker, G. W., | Cardigan, P.E.I. |
| Phillimore, R. H., | Cookshire, Q. |
| Robinson, H. J., | Brockville, O. |
| Rodger, D. A., | Genoa, Q. |
| Rorke, R. F., | St. Thomas, O. |
| Séguin, J. W. A., | Rigaud, Q. |
| Scammell, J. H., | St. John, N.B. |
| Scane, J. W., | Chatham, O. |
| Scott, W. H., | Owen Sound, O. |
| Semple, E. J., B.A., | Montreal |
| Shaw, G. F., | Ottawa, O. |
| Shaw, T. P., | Montreal |
| Tomkins, J. E. C., | Coaticook, Q. |
| Trenholm, G. A., | Coaticook, Q. |
| Walker, J. L., | Montreal |
| Whyte, J. T., | Ottawa, O. |
| Wilson, R. D., | Derby, N.B. |
| Wilson, Robert, | Montreal |
| Yearwood, C., | Barbadoes, W.I. |
| Yates, H. B., B.A., | Brantford, Q. |

MCGILL UNIVERSITY LIBRARY

# FACULTY OF ARTS.

*Undergraduates.*

FIRST YEAR.

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Acer, J. H. A., | Bishop's College School, Q., | Montreal, Q |
| Archibald, S. G., | M. H. S., | " |
| Banfill, S. A., | McGill Normal Sc., M., Channel, | Brome Co., Q |
| Bates, C. W., | Almonte H. S., | Lanark, O |
| Bates, George E., | Concord H. S., | |
| Campbell, G. A., | M. H. S., | Montreal, Q |
| Cleland, J. A., | Private Tuition, | " |
| Colclough, Thos. A., | Almonte H. S., | Lanark, O |
| Cole, W. G. G., | Montreal Collegiate Institute, | Montreal, Q |
| Edgar, M., | Montreal Coll. Inst., | " |
| Friedlander, A., | M. H. S., | " |
| Gordon, A. E., | Prince of Wales Coll., | Alberton, P.E.I. |
| Gowan, T., | Goderich Coll. Inst., | Moukton |
| Graham, C. K., | Private Tuition, | Hull, Q |
| Harris, Neil, | Glencol H. S. | Glencoe, O |
| Howell, A. R., | St. John's School, | Montreal, Q |
| Lynch, T. I., | St. John's School, | Knowlton, Q |
| Marler, H. M., | Montreal Coll. Inst., | Montreal, Q |
| Mills, F. W., | Bishop's College School, | Lennoxville Q |
| Molson, K., | M. H. S., | Montreal, Q |
| Moore, W., | Inverness Academy, | Lachute, Q |
| Mullin, R. T., | Private Tuition, | Algoma Mills |
| Overing, R. Y., | M. Diocesan Theo. Coll., | Mount Royal Vale Q |
| Pollock, Thos. I., | Lachute Academy, | Hill Head |
| Robertson, J. C., | Private Tuition, | King's Co., N.B |
| Ross, A. R., | Montreal Coll. Inst., | Montreal, Q |
| Ross, H., | M. H. S., | " |
| Saunders, F. C., | M. H. S., | " |
| Schwartz, H. J., | Quebec H. S., | Quebec, Q |
| Scott, A. P., | M. H. S., | Montreal, Q |
| Scrimger, J. T., | M. H. S., | " |
| Smiley, F. C., | St. Francis College, | St. Lambert, Q |
| Sutherland, J., | Carleton Place H. S., | Innisville |
| Snyder, W. A., | Galt Coll. Inst., | Preston, O |
| Turner, W. G., | Quebec H. S., | Quebec, Q |
| Vipond, F. C., | Montreal Coll. Inst., | Montreal, Q |
| Wainwright, F. R., | Montreal Coll. Inst., | Montreal, Q |
| Walker, Peter A., | Strathroy | Carnlochie |
| Watt, R. G., | Almonte H. S., | Lanark, O |
| Wilson, A. C., | Picton H. S., Pr. Ed. Co., O., | Hillier, O |

SECOND YEAR.

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Armstrong, E. N., | M.H.S., | Montreal, Q |
| Boyd, Robert, | Ottawa Coll. Inst., | Russell, O |
| Burnet, Arthur, | Grande Ligne Institute, | Farnham Centre, Q |
| Craig, W. W., | M.H.S., | Montreal, Q |

| *Names.* | *School.* | *Residence.* |
|---|---|---|
| Crombie, Wm. B., | Smithville H. S., | Fort Coulonge, Q |
| Dyer, Edward, | Sutton Model School, | Sutton, Q |
| Fourney, F. K., | M.H.S., | Montreal, Q |
| Gilmour, F. W., | Almonte H. S., | Almonte, O |
| Hanson, Albert C., | McGill Normal School, | Barnston, Q |
| Hickson, James C., | Eliock School, | Montreal, Q |
| Hopkins, M. C., | McGill Normal School, | ontreal, Q |
| Howard, E. Edwin, | Inverness Academy, | Farnham, Q |
| Keith, Neil D., | Glencoe H. S., | Glencoe, O |
| Leroy, O. E., | Lachute Academy, | Montreal, Q |
| Levy, A., | Private Tuition, | Montreal, Q |
| MacIntosh, James, | Private Tuition, | Mount Pleasant, P.E.I |
| MacIntosh, Major, | Prince of Wales Coll., | P.E.I., Summerside, P.E.I |
| McNaughton, Francis, | Huntingdon Academy, | Huntingdon, Q |
| Mitchell, Albert T., | Diocesan Theological College, | Montreal, Q |
| Rogers, Reginald H., | Prince of Wales College, | P.E.I., Alberton, P.E.I |
| Smyth, W. Oswald, | M.H.S., | Montreal, Q |
| Sutherland, Wm. C., | Private Tuition | Woodstock, O |
| Symmes, Thos. J., | Aylmer Academy, | Aylmer, Q |
| Terryberry, Arthur I., | Barton Colleg. Institute, | Hamilton, O |
| Tooke Fred. T., | M.H.S., | Montreal, Q |
| Trenholme, Norman M., | M.H.S., | Montreal, Q |
| Wallace, James M., | Kemptville H.S., | North Gower, O |
| Watt, James C., | Almonte H. S., | Lanark, O |
| Weir, George, | Woodstock Colleg. Institute, | Eastwood, O |
| Young, Henry, | Almonte H.S., | Blakeney, O |
| Young, Stephen, | Almonte H.S., | Blakeney, O |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Barlow, Walter L., | Montreal, Q | Graham Angus, | Glencoe, O |
| Bickerdike, F. A. C., | Montreal, Q | Graham, Fred. H., | Iron Hill, Q |
| Blackett, John, | Ormstown, Q | Hanran, Robt. J., | Inverness, Q |
| Bond, Wm. L., | Montreal, Q | Harvey, Fred. W., | Abercorn, Q |
| Boyd, Leslie H., | Montreal, Q | Ireland, G. D., | Alberton, P.E.I. |
| Bremner, William, | Ottawa, O | Lambly, M. O., | Inverness, Q |
| Davis, E. A., | Morris Flats, Q | Lewis, Wm. P., | Iberville, Q |
| Davis, David T., | Montreal, Q | McGregor, Alexander, | St Andrews, Q |
| Day, Frank J., | Belleville, O | McKeracher, W., | Howick, Q |
| Dickson, Ed.H. T., | Trenholmeville, Q | Moffat, D. S., | Irvine, Q |
| Dickson, Syd. M., | Trenholmeville, Q | Naylor, Henry A., | Shawville, Q |
| Duclos, Arnold Wm., | Montreal, Q | Ogilvy, Charles, | Montreal, Q |
| Fraser, Frank C., | Montreal, Q | Smith, Alistair, | Petitcodiac, N.B |
| Garret, W. P., | Ottawa, O | Stewart, J. C., | Embro, O |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Brown, Cecil L., | Port Lewis, Q | Farnsworth, A. H., | Compton, Q |
| Brown, James T., | Huntingdon, Q | Gordon, John S., | Alberton, P.E.I. |
| Carmichael, Saumarez, | Montreal, Q | Gurd, Charles C., | Montreal, Q |
| Donahue, Wm., | Montreal, Q | Hickson, J. W. A., | Montreal, Q |
| Dresser, John A., | Richmond, Q | Honeyman, H. A., | Knowlton Q |
| Ellicott, T. W. H., | Montreal, Q | Hutchison, David, | Brechin, O |

MCGILL UNIVERSITY LIBRARY

Internoscia, Jerome, Montreal, Q
Killaly, H. M., Morrisburg, O
McIver, Evander J., Montreal, Q
McGerrigle, J. A., Ormstown, Q
McVicar, Robert M., Montreal, Q
McVicar, Archibald, Strathroy, O
Mahaffy, Albert, Port Albert, O
Mansur, Charles, Stanstead, Q
Muir, Peter D., Fordwich, O
Munn, Stewart M., Montreal, Q
Patterson, William, Caultley, Q
Pratt, Francis, Montreal, Q
Robertson, Albert J., Woodbridge, O
Sadler, Thos., DeWittville, Q
Skeels, Albee A., Montreal, Q
Smith, E. F. McL., Hawkesbury, Q
Thompson, James, Bristol, Q
Townsend, Wm. McN., Traveler's Rest, P.E.I

B. A.

Colclough, W. F.
Fraser, Daniel Jas.
Jekill, H.
McGregor, J. M.
MacLennan, Kenneth
Pritchard, W. S.
Reid, Wm.
Russell, Andrew
Smith, Geo. H.
Waller, C. C.

*Partial and Occasional.*

A *Partial Student* (indicated by an asterisk) may, without passing the Entrance Examination, take the same classes as an Undergraduate, and must take at least three classes. Undergraduates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes.

FIRST YEAR.

*Benny, W., Joliette Co., Q
Bayfield, Hy. A.
*Bethell, T. G., Mascouche Rapids, Q
*Boshart, W. P.
*Botterell, Jno. E.
*Buker, C. F., Bishop's Mills, Q
*Caldwell, Wm. Mackay, New York
*Calvert, Reuben, Vittoria, O
*Carmichael, Hy., Masc. Rapids, Q
Charles, Jos. E.
Dawes, N. J., Lachine, O
*Douglas, J. H., Amherst, N.S
*Douglas, R. J., Earltown, N.S
*Extence, Geo.
*Fairbairn, A., Prescott, O
*Fish, Hy. A., Toronto, O
*Fraser, N. Frank, Pictou, N.S
Gourlay, Wm. L., Carp, O
*Graham, D. J., Ashton, O
*Graham, Sharon, Montreal, Q
Green, J. S.
*Harris, Ed. A., Moncton, N.B
*Hayson, Hy. Jas.
*Hodgson, J. R., Sawyerville, Q
*Horsey, Harold I., Kingston, O
*Humphrey, Jas. W., Cowansville, Q
*Jackson, Jno. A., Parkdale, Toronto
*Jackson, W. P., Kingston, O
*Jamieson, S. D., Inverness, O
Johnson, W. L.
Jones, Herbert
*Kelly, E. R., Pembroke, O
*Kennedy, J. K.
*Leitch, F. A., Flesherton, O
*McConnell, J. H., Montreal, Q
*McCuaig, Wm., Pontiac Co., Q
*McEwan, S. R., Rawdon, Q
*McKinnon, Fred. W., Vankleek Hill
*MacMartin, T. A., Grande Frenière
Mason, G. A.
*Mason, H. E.
*Mathers, F. M., Lucknow, O
*Millar, D. D., Burgoyne, O
*Miller, A. B., Brantford, O
*Milliken, Jno. B.
*Milliken, Robt., London, O
Murray, H. T., Kings Co., N.B
*Nelson, Isaac, Montreal South, Q
Orr, Wm. J., Montreal, Q
*Patterson, Wm. L.
*Peevor, R. G., Haley's Station, O
*Redpath, Harold, Montreal, Q

Roberts, Albert N., Mass., U.S
Robertson, A. G.
*Shaw, Ernest, Avonmore
*Sing C. R., Singhampton
*Springle H. A., Montreal, Q
*Thom, Geo. Wm., Appleton
*Thomas, Ernest, Hochelaga, Q
*Warden, F. A.
Webb, W. M.
*Wilkinson, T. J., New Glasgow, Q
*Wilson, Wm.
*Wright, Chas. J., Aylmer, Q

SECOND YEAR.

*Ascah, A. C., Peninsular Gaspé, Q
*Ball, Geo. W., Montreal, Q
*Beauchamp, P., Grenville, Q
(1)*Benny, W. W.
(1)*Bethell, Thos. G.
(1)*Boshart, W. P.
Brandt, E. H., France
*Brown, Jno. L., Manitoba
(1)*Buker, Calvin F.
(1)*Calvert, Reuben
(1) Charles, Jos. E.
*Culp, Josephus, Beamsville, O
(1)*Extence, Geo.
(1)*Fairbairn, A.
Gilmore, G. G., Ireland
*Gourlay, J. J. L., Carp, O
(1)*Graham, D. J.
*Harnwell, H. J.
(1)*Hodgson, J. R.
(1)*Horsey, Harold I.
*Humphreys, Jno. A.
(1)*Jackson, Jno. A.
(1)*Jackson, W. P.
(1)*Jamieson, S. D.
(1)*Kelly, E. R.
Lamert, J. O., Montebello, Q
(1)*Leitch, F. A.
(1)*McConnell, J. H.
(1)*McCuaig, Wm.
(1)*McEwan, Sam. R.
McGilton, Adam C.
(1)*Mason, H. E.
(1)*Mathers, F. M.
(1)*Millar, D. D.
(1)*Miller, A. B.,
(1)*Milliken, Robt.
(1)*Nelson, Isaac
*Sanderson, Wm. C., Toronto, O
*Scott, Thos., Monkton, O
(1)*Sing, C. R.
*Smith, J. T., Toronto, O
*Sykes, C. A., Cobden, O
(1)*Thomas, Ernest
Thomas, F. W.
*Vaughan, Chas. S., Mystic, Q
*Veld, H., Montreal, Q
*Walker, Harry, Montreal, Q
(1)*Warden, F. A.
*Waterson, W. J., Rougemont, Q
White, Frank H., Montreal, Q
(1)*Wilkinson, Thos. J.
(1)*Wilson, Wm.
(1)*Wright, Chas. J.

THIRD YEAR.

(2)*Ascah, A. C.
(2)*Ball, Geo. W.
(2) Beauchamp, P.
(2)*Bethel, Thos. G.
(2)*Boshart, W. P.
(2) Brandt, E. H.
(2)*Brown, Jno. L.
(2)*Buker, Calvin F.
(2)*Calvert, Reuben
Connor, M. F.
(2)*Culp, Josephus
(2)*Fairbairn, A.
(2)*Graham, D. J.
Grisbrook, E. O., Sarnia, O
(2)*Hodgson, J. R.
(2)*Humphrey, Jas. W.
(2)*Humphreys, Jno. S.
(2)*Jackson, Jno. A.
(2)*Jamieson, S. D.
(2)*Kelly, E. R.
(2)*Leitch, F. A.
(2)*McConnell, J. H.
(2)*McCuaig, Wm.
(2)*Mathers, F. M.
(2)*Millar, D. D.
(2)*Miller, A. B
(2)*Milliken, Robt.
(2)*Nelson, Isaac
(1)*Peevor, R. G.
(1) Roberts, A. N.
*Ross, D. W.
(1)*Sing, C. R.

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(2)*Smith, J. T.
*Stevens, Wm. H.
(2)*Sykes, C. A.
(2)*Thomas, Ernest
(2)*Warden, F. A.
(2)*Waterson, W. J.
(2)*Wilkinson, Thos. J.
(2)*Wilson, Wm.
(2)*Wright, Chas. J.

FOURTH YEAR.

(3)*Fairbairn, A.
(2)*Gourlay, J. J. L.
(3)*Grisbrook, E. O.
(3)*Humphreys, Jno. S.
(3)*Jackson, Jno. A.
Lonergan, G. J.
(3)*McConnell, J. H.
*Read, Geo. E., Montreal, Q
(3)*Ross, D. W.
(2)*Sanderson, Wm. C.
(2)*Scott, Thos.
(3)*Stevens, Wm. H.
(2) Thomas, F. W.
(2)*Vaughan, Chas. S., Mystic, Q.
(2)*Veld, H.
(2)*Walker, H.

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## DONALDA DEPARTMENT.

SPECIAL COURSE FOR WOMEN.

*Undergraduates.*

FIRST YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Brown, J. M., | McGill Normal School, | Montreal, Q |
| Chalmers, L. H., | Granby Academy, | Granby, Q |
| Denoon, Agnes H. | G. H. S. M., | Montreal Q |
| Hammond, E. A., | G. H. S. M., | Montreal, Q |
| Henderson, G., | Misses Symmers & Smith, | Montreal, Q |
| Hill, H. S. M., | M. G. H. S., | Montreal, Q |
| Hinds, C., | Compton Ladies' College, | Actonvale, Q |
| Hobbs, G. A., | M. G. H. S., | Cote St. Antoine Q |
| Hurst, I. E., | M. G. H. S., | St. Lambert, Q |
| Hutchison, M., | Coll. Ins., St. Thomas, | St. Thomas, O |
| Krause, Louise | Private Tuition, | Montreal, Q |
| Locke, W. A., | M. G. H. S., | St. Lambert, Q |
| McBurney, E. E., | M. G. H. S., | St. Lambert, Q |
| McCuaig, M., | M. G. H. S., | Montreal, Q |
| McKenna, M. M., | Coaticook Academy, | Coaticook, Q |
| Mitchell, K., | Trafalgar Inst., | Montreal, Q |
| Nichols, A. W., | M. G. H. S., | Montreal, Q |
| Pinder, E. B., | M. G. H. S., | St. Lambert, Q |
| Pitcher, W. J., | M. G. H. S., | Montreal, Q |
| St. James, L. M., | McGill Normal S., | Grande Ligne, Q |
| Shaw, E. C., | M. G. H. S., | Montreal, Q |
| Watson, M. T., | Renfrew H. S., | |

SECOND YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Armstrong, L. E., | Montreal G. H. S. | Montreal, Q |
| Botterell, Florence, | | Montreal, Q |
| Cameron, Susan E., | Victoria H. S., St. John, N. B., | St. John, N. B |
| Cushing, Florence E., | G. H. S., Montreal, | Montreal, Q |
| Radford, Ethel S , | G. H. S., Montreal, | Montreal, Q |
| Rickey, Eleanor, | Private Tuition, | Jefferson City, Mo., U. S |
| Seymour, Clara, | Private Tuition, | Montreal, Q |
| Travis, Katharine, | Victoria H. S., St. John, N. B., | St. John, N. B |
| Watson, Rosalind, | Huntingdon Academy, | Huntingdon, Q |
| Whiteaves, A. Maud, | Ottawa Collegiate Institute, | Ottawa, O |
| Wilson, Margaret, | McGill Normal School, | Montreal, Q |

THIRD YEAR.

| *Name.* | *School.* | *Residence.* |
|---|---|---|
| Brown, Jessie, | Mrs. Lay's School, | Montreal, Q |
| Craig, Margaret, | Girls' High School, | Montreal, Q |
| Hargrave, Edith, | Sherbrooke Girls' Academy, | Sherbrooke, Q |
| MacKenzie, Jane E. F., | St. Francis College, | Richmond, Q |
| Ogilvy, Isabella, | G. H. S., Montreal, | Montreal, Q |
| Shaw, S. Louise, | G. H. S., Montreal, | Montreal, Q |
| Warner, Agnes L., | G. H. S., St. John, N. B., | St. John, N. B |

FOURTH YEAR.

| | | | |
|---|---|---|---|
| Angus, Frances P., | Montreal, Q | James, Agnes S., | Montreal, Q |
| Boright, M. D. | | Lee, Mabel, | Quebec, Q |
| Brittain, Isabel J., | Montreal, Q | Macdonald, Jessie H., | Montreal, Q |
| Campbell, Rosalia F., | Montreal, Q | McCoy Emma C., | Rockburn, Q |
| Fairclough, Lizzie M., | Hamilton, O | Millar, Edith N., | Montreal, Q |
| Hunt, Lovisa E., | | Seymour, Martha, | Montreal, Q |
| Jackson, Annie, | Montreal, Q | Smardon, Charlotte, | Three Rivers, Q |

B. A.

| | |
|---|---|
| Binmore, Elizabeth | Macfarlane, Mira |
| Botterell, Inez R. | Raynes, Ethel |
| Campbell, Katherine | Reid, Helen R. Y. |
| Hall, Bessie | Ross, Jessie K. |
| Leach, Milda | Smith, G. Louise |
| Lyman, Helen W. | Tatley, Eleanor |
| Macdonald, M. L. | |

*Partial and Occasional.*

A *Partial Student* (indicated by an asterisk) may, without passing the Entrance Examination, take the same classes as an Undergraduate, and must take at least three classes. Undergratuates and Partials are Matriculated Students. An *Occasional Student* takes less than three classes.

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FIRST YEAR.

| | | | |
|---|---|---|---|
| Brown A. A., | | Lambe, L., | Montreal, Q |
| *Cochrane, Edith, | Montreal, Q | Lewis, M., | Montreal, Q |
| Donahue, C., | | Lowden, J. E., | Montreal, Q |
| Durnford, M. G., | Montreal, Q | Macpherson, E., | Montreal, Q |
| Forbes, I. M., | Merrion Co., Dublin | *MacTavish, K. E., | Montreal, Q |
| Francis, Elizabeth H., | Prescott, O | Norris, A., | Montreal, Q |
| Francis, G. S., | Prescott, O | Raynes, N., | Montreal, Q |
| Henry, Sara, | Montreal, Q | (2) Reid, Ethel H., | Montreal, Q |
| Hausen, A., | St. Sophie, Q | *Smith, A. Louise, | Montreal, Q |
| Johnson, E. L., | Montreal, Q | *Wilson, Georgia, | Beauce Co., Q |
| Kerr, M. McK., | Bute, Q | Wadsworth, N. L., | Montreal, Q |
| Kingston, A. E., | Montreal, Q | Warren E. H.. | Montreal, Q |

SECOND YEAR.

| | | | |
|---|---|---|---|
| Baker, H., | Sweetsburg, Q | Macnider, M., | Montreal, Q |
| Campbell, Mary E., | Montreal, Q | Redpath, Alice E., | Montreal, Q |
| Claxton, Ethel G., | Montreal, Q | Redpath, Lucy M., | Montreal, Q |
| Eaton, Mrs. W., | New York, U.S | (1) Reid, Ethel H., | Montreal, Q |
| Erskine, J. B., | Montreal, Q | *Savage, Mary M., | Montreal, Q |
| Galt, M. G., | Montreal, Q | Seymour, Mrs. M., | Montreal, Q |
| Johnson, Helena, | Montreal, Q | White, M. M., | Montreal, Q |
| MacDonald, A. W., | Montreal, Q | Wilson, Ethel, | Montreal, Q |
| Macnider, C., | Montreal, Q | (1)Wilson, Georgia, | |

THIRD YEAR.

| | | | |
|---|---|---|---|
| Ames, L. M , | Montreal, Q | McLea, J. C. | Montreal, Q |
| Finley, Greta, | Montreal, Q | McLea, P. E., | Montreal, Q |
| Johnson, H., | Montreal, Q | McLea, Rosalie, | Montreal, Q |
| Lambe, Maud M., | Montreal, Q | Thompson, Mary W., | Montreal, Q |

FOURTH YEAR.

Radford, Annie E., Montreal, Q (2) Wilson Georgia

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## FACULTY OF APPLIED SCIENCE.

FIRST YEAR.

| | | | |
|---|---|---|---|
| Atkinson, Geo. Alex. S., | Montreal, Q | Chase, Harry A., | Kentville, N.S |
| Alley, G. T., | Charlottetown, P.E.I | Clarke, E. Randolph, | Stratford, Ont |
| Archibald, Wm. Munroe, | Truro, N.S | Courtice, Francis E., | Port Perry, Ont |
| Balfour, Reginald H., | Montreal, Q | Dougall, G. Matile, | Montreal, Q |
| Barclay, Hanam H., | St. Andrews E., Q | Ellacott, L. J. A., | Cote St. Antoine |
| Bayfield, H. A., | Charlottetown, P.E I | Fairman, Ernest E., | Montreal, Q |
| Bishop, J. Stratford, | Montreal, Q | Ferguson, Thomas, | Peterboro, Ont |
| Buchanan, Fitz. Price, | Montreal, Q | Fisher, John Gordon, | Montreal, Q |

Gill, L. Willis, Little York, P.E.I
Girdwood, Kennet J., Montreal, Q
Green, Jos. Sam. Raoul, Montreal, Q
Hare, George Gray, St. John, N.B
Haycock, R. Lafontaine, Ottawa, Ont
Holland, Cecil F., St. Eleanor's, P.E.I
Hunter, John Wm., Kingston, Ont
Huntington, G. Leroy, Colebrook, N.S
Jones, Chs. Hugh, Montreal, Q
Kenney, Thos. Frederick, Ottawa, Ont
Loeb, A. Augustus, Montreal, Q
Mackie, J. D., Kingston Station, Ont
McBean, A. Stewart, Montreal, Q
McDermott, Michael S., Montreal, Q
McDougall, Wm., Ormstown, Q
McLaren, Duncan T., Montreal, Q
McMurchy, Malcolm, Gananoque, Ont
Mill, Thomas John, Maria, Ont
Morgan, Henry C., Ottawa, Ont
Mussen, Horace W., Aurora, Ont
Ogilvie, W. M., Cumming's Bridge, Ont
Purves, Archibald, North Sydney, C.B
Reid, Robert G., Montreal, Q
Reinhardt, Carl, Montreal, Q
Rutherford, G. Scott, Cote St. Antoine
Rutherford, S. F., Cote St. Antoine
Skill, Herbert Geo., Cobourg, Ont
Sise, C. Fleetford, Montreal, Q
Smaill, Albert Edward, Montreal, Q
Stewart, Robt. Holden, Montreal, Q
Walkem, G. Alex., Kingston, Ont
Walters, Morley, Hull, Q
Webb, William Morton, Petrolia, Ont
Weldon, Robert P., St. John, N.B
White, Frank H., Montreal, Q
Wright, Charles Harvey, Renfrew, Ont

SECOND YEAR.

Angus, Wm. Forrest, Montreal, Q
Askwith, W. R., New Edinburgh, Ont
Baker, Hugh C.
Balloch, G. Ralston, Centreville, N.S
Becket, Fred. Mark, Montreal, Q
Blackburn, E. Lennox, Ottawa, Ont
Boright, Geo. Nelson, Sutton, Q
Carter, Wm. Frederick, Cowansville, Q
Clements, F. S., Upper Kingsclear, N.B
Currie, William, Montreal, Q
Côté, Ernest L., Dorchester Bridge, Q
Cushing, J. Wilfrid, Montreal, Q
Dénis, Theophile, Montreal, Q
Dougall, Wilfrid, Montreal. Q
Greig, Alexander R., Cote St. Antoine
Griffin, M. Edward, Georgetown, P.E.I
Guillim, John Cole
Hart, Orobio C., Cowansville, Q
Huestis, Harry, E., Halifax, N.S
Jacobie, John Bridgford
Johnson, Edward Preston, Ottawa, Ont
Johnson, Wm. Stule, Clapham, Q
King, Robert Owen
Metcalfe, Thos. H., Montreal, Q
Moodie, Kenneth, Chesterville, Ont
McDougall, G. Dewar, Amherst, N.S
McDunnough, R. Baylis, Montreal, Q
McNaughton, Peter, Huntingdon, Q
Niven, Thos. Francis, Montreal, Q
Olive, Peter McHenry, St. John, N.B
Plummer, Thos. Henry, Toronto, Ont
Primrose, John, Pictou, N.S
Robins, Sampson Paul, Montreal, Q
Rogers, Frank Doughty, Montreal, Q
Scott, Alfred, Port Hope, Ont
Trenholme, H. R., Montreal Junction, Q
Turner, John Alex., Hamilton, Ont
Van Barneveld, C. E., Grindstone, Magdalen Isles, Q
Wilkin, Francis Alf., Calgary, N.W.T
White, Walter Thos., St. John, N.B

THIRD YEAR.

Brodie, Alexander, Quebec
Cole, Arthur Augustus, Montreal, Q
Collyer, Alfred, Sussex, Eng
Connor, Matthew Francis, Ottawa, Ont
Costigan, James Shearer, Montreal, Q
Darling, Edward, Montreal, Q
Duff, William Alexander.
Dyer, Leonard Wm. E., Montreal, Q
Gunn, Robert A.
Henry, J. Kaye, Sennatt, N.Y., U.S.A
Holden, Arthur K., Montreal, Q
Larmonth, John Herbert, Ottawa, O
Leach, Wm. Wilson, Montreal, Q
Lambert, Frank, Woodstock, O
Lonergan, Gerald J., Buckingham, Q
Longworth, C. H. B., Charlottetown, P.E.I
Mackay, H. Martyn, Pictou, N.S
Molson, Herbert, Montreal, Q
Morris, J. Wm., Wallace, N.S
Mudge, Arthur Langley, Montreal, Q
Pitcher, Francis H., Montreal, Q
Scammell, J. Kimball, St. John, N.B
Scott, W. Moffatt, Charlottetown, P.E.I
Shaw, H. H., Brackley Point, P.E.I
Whiteside, Orton E. S., Metcalfe, O

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FOURTH YEAR.

Barnes, Howard Turner, Montreal, Q
Bowden, Wm. Arthur, Richmond, Q
Burns, John Andrew, Montreal, Q
Feathers ton, John, Hamilton, O
Greenberg, Louis, Montreal, Q
Herdt, Henri, Montreal, Q
Herdt, Louis, Montreal, Q
Holman, R. Claude, Summerside, P.E.I
Lawrie, Wm. Pitt, Quebec, Q
MacPhail, J. Alex., Orwell, P.E.I
Massey, Arthur, Montreal, Q
McLeod, Thos. M., Georgetown, P.E.I
Murphy, David, Montreal, Q
Rankin, John, Montreal, Q
Robert, Alphonse, M.A., Ottawa, O
Ryan, A. J., Rouses Point, N.Y., U.S.A
Simpson, Lincoln, Cavendish, P.E. I
Stevenson, J. A., South Granby, Q
Street, Leonard Lee, Fredericton, N.B

*Post Graduates.*

Adams, Walter Chamblet, Montreal, Q
Antliff, John H., Montreal, Q

PARTIAL STUDENTS.

Barbour, Francis Ed., Montreal, Q
Brown, Thomas, Montreal, Q
Courtice, Rev. Mr., Montreal, Q
Crawford, J., Verdun, Q
Crombie, Fred. Rubidge, Montreal, Q
Cunningham, Alured A., Montreal, Q
Dawes, Norman J., Lachine, Q
Dawson, Harold G., Montreal, Q
Desbarats, C. H. Hullett, Montreal, Q
Gamba, Emilio, Bogota, Columbia, S. Amer
Killaly, A. McMurray. Morrisburg, O
LaFrenaye, S. Grant, Magog, Q
Lewis, George Gordon, Montreal, Q
Manson, R. Chs., Cote St. Antoine
McCallum, Arthur, Maxwell, O
McKenzie, C. Alex., Kirkfield, O
McKenzie, Robt John, Toronto, O
Ramsay, W. Angus, Cote St. Antoin
Riley, William, Montreal, Q
St. George, Frank T., Montreal, Q
Tylee, G. R., St. Thérèse de Blainville, Q

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## FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

FIRST YEAR.

Boutelle, C. A.....Danville, Que.
Baldwin, B. K.....Philadelphia, Pa.
Cowan, A .....Montreal, Que.
Cutting, J. C .....Boston, Mass.
Davis, R. E..... ...Fallowfield, Ont.
Fraser, A. D.....Montreal, Que.
Hargrave, J. C..... ..Medicine Hat, Ass.
Inglis, W ..... ....Granby, Que.
Irvine, J .....Dalkeith, Ont.
Jones, W. V .....Wolfville, N.S.
Jones, F.....Brandon, Wis.
Kammerer, R..... St. Louis, Mo.
Mitchell, A ..... ..Skaneateles, N.Y.
Mason, J K.....Campello, Mass.
Moody, M. A .....Terrebonne, Que.
Reagan, S. M.....Mexico, Mo.
Thurston, E. C.....Montreal, Que.
Zink, C. H., Jr.....Philadelphia, Pa.

SECOND YEAR.

Anderson, B... . .....Montreal.
Baker, G. P..... Binscarth, Man.
Buchan, J. A. .....L'Orignal, Ont.
Cleaves, L. S .....Boston, Mass.
Cleveland, H. R.....Danville, Que.
Cary, E. J .....North Adams, Mass.
French, C.....London, Eng.
Grattan, R. H .....Preston, Minn.
Gaudry, A .....Cote St. Louis.
Hall, A. H.....Leeds, P.Q.
Hollingsworth, J. B. Buckingham, P.Q.
Moore, A. E ..... ...Stanbridge E, P.Q.
Mulvey, C. J.....Mooers, N.Y.
McAlpine, D.....Vankleek Hill, Ont
McGillivray J. D.....Laggan, Ont.
McLeod, J..... .....Howick, P.Q.
Patterson, J. H.....Montreal, P.Q.
Shaw, J. R..... .....San Jose, Cal.
Salley..... ..... .....Skowkegon, Me.
Solandt, J. V..... .....Inverness, P.Q.
Thomas, R..... .....Middlebush, N.J.
Walsh, F..... .....Ormstown, P.Q.

THIRD YEAR.

| | |
|---|---|
| Brainerd, E | Kakoko, Mo. |
| Campbell, J. G | Montreal, P.Q. |
| Cleaves, A. S | Rindge, N.H. |
| Dunton, H. B | Richmond, P.Q. |
| Denny, H. E | New York City. |
| Lamb, A. S | Montreal, P.Q. |
| Morrin, W | Belle Rivière, P.Q. |
| McGuire, W. C | Shawville, P.Q. |
| McDougall, J | Montreal, P Q. |
| Orr, O. G | New Armagh, P.Q. |
| Paterson, J. H | Montreal, P.Q. |
| Plaskett, W. S | Woodstock, Ont. |
| Rathbone, J | Montreal, P.Q. |
| Stephens, J | Huntingdon, P.Q. |
| Sturrock, T | Laggan, Ont. |
| Thayer, S. W | Cambridge, Mass. |
| Tracy, A. W | Sherbrooke, P.Q. |
| Wylie, M. C | New Harmony, Ind. |

## COLLEGES AFFILIATED IN ARTS.

### MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Bishop, Cyril A., | Quebec, Q | Langlois, Peter W., | Quebec, Q |
| Chambers, Edw. J. C., | Granby, Q | Lindsay, Jno., | Danville, Q |
| Cook, Jno. Wilson, | Quebec, Q | McWilliam, Bessie, | Quebec, Q |
| Dalziel, John A. | | Macadam, Margaret, | Scotland |
| Drum, Harcourt C., | Quebec, Q | Polley, Jas. F., | St. Stephen, N.B |
| Fraser, Ethel V., | Quebec, Q | Taylor, Wm. Baxter, | Quebec, Q |
| Gale, Ethel L., | Quebec, Q | Thomson, Harry Stuart, | Quebec, Q |
| Hale, Trevor A., | Quebec, Q | Woodside, Geo. H., | St Sylvestre, Q |
| Harper, Robt. M., | Quebec, Q | | |

*Occasional Students.*

| | |
|---|---|
| Ashe, Wm. E., | Macdonald, Miss, |
| Barden,— | Macadam, —, |
| Campbell, Geo., | Meiklejohn, May, |
| Campbell, Miss, | Meiklejohn, Julia, |
| Carrell, Frank, | Morrison, Geo., |
| Dalkin, Mrs., | Wheeler, Jas., |
| Ferguson, Miss, | |
| Lee, Emily, Quebec, Q | |

### ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Coburn, David, | Melbourne, Q | Paterson, Frederick, | Richmond, Q |
| Dearden, Daniel, | Richmond, Q | Stockwell, Henry P., | Danville, Q |
| Fraser, Alice, | Richmond, Q | Vaudry, Olive, | Shefford Mountain |
| Lyster, Howard, | Richmond, Q | | |

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*Partial Students.*

| | | | |
|---|---|---|---|
| Crack, Arthur, | Kingsbury, Q | McIver, Evan, | Melbourne, Q |
| Frye, A. W., | Windsor Mills, Q | Tanner, Chas. A. H., | Richmond, Q |
| Goodfellow, Kate, | Melbourne, Q | Tanner, Wm. P., | Richmond, Q |
| Keough, Jas. P., | Richmond, Q | | |

## STANSTEAD WESLEYAN COLLEGE.

*Undergraduates.*

| | | | |
|---|---|---|---|
| Bryant, Flora Anna, | Stanstead Q | Morrill, Victor Eugene, | Stanstead, Q |
| Gustin, Alfred, | Fitch Bay, Q | Rugg, Mary Alice, | Stanstead, Q |
| Howard, Catharine, | Farnham, Q | Terrill, Harriet Maud, | Stanstead, Q |
| Lufkin, Bessie, | Melbourne, Q | Walters, Wm. Hy., | Lynn, Mass. |
| McDuffee, Mamie, | Stanstead, Q | | |

## SUMMARY.

| | | | |
|---|---|---|---|
| Students in Law, McGill College | | | 35 |
| " in Medicine, " | | | 311 |
| " in Arts :— " | | | |
| Men | Graduates | 10 | |
| | Undergraduates | 128 | |
| | Partial and Occasional | 93 | |
| Women | Graduates | 13 | |
| | Undergraduates | 54 | |
| | Partial and Occasional | 50 | 348 |
| Students in Arts, Morrin College | | | 31 |
| " " " St. Francis College | | | 14 |
| " " " Stanstead Wesleyan College | | | 9 |
| " " Applied Science, McGill College:— | | | |
| | Undergraduates | | 136 |
| | Partial and Graduates | | 23 |
| " Veterinary Science | | | 58 |
| | | | 965 |
| Deduct entered in two Faculties | | | 3 |
| | | | 962 |
| McGill Normal School, Teachers-in-training | | | 105 |
| Total | | | 1067 |

# Donations to Library and Museum.

FROM MAY, 1892, TO APRIL, 1893.

## TO THE LIBRARY.

From the author (James Constantine Pilling), Bureau of Ethnology, Washington—Bibliography of the Algonquian Languages.

From Miss Archibald, 55 Durocher street—36 vols., various, on surveying, engineering, etc.; and 7 books in paper covers, and 101 copies of the *Engineering News*.

From the McGill Graduates Society—Kingsford's History of Canada, Vol. 5.

From F. A. Brockhaus, Leipzic—156 volumes, handsomely bound, comprising History, Philosophy, Botany, Literature, Astronomy, etc.

From John Lovell & Son, for the Applied Science library—77 volumes of Miscellaneous Literature.

From the U.S. Coast and Geodetic Survey office—Annual Report U.S. Coast and Geodetic Survey for 1890.

From the Smithsonian Institution, Washington—Annual Report for 1890.

From John S. Shearer—Journal des Campagnes du Chevalier de Lévis en Canada, de 1756 à 1760; Lettres du Chevalier de Lévis concernant La Guerre du Canada, 1756-60.

From T. A. Gibson, 1797 Ontario street—Hogg's Instructor, 5 vols.; Dictionnaire Historique et Bibliographique; Dictionnaire Géographique Portatif; The Gazetteer's or Newsman's Interpreter, by Lawrence Echard.

From Macmillan & Co., London, Elementary classics—Euripides; Medea; Bayfield, two copies; Cæsar; Civil War, Book I.; Xenophon; Anabasis III.; Tales from Herodotus; Easy Exercises in first Greek Syntax, 2 copies; Herodotus, Book III.; Short Historical Grammar of the German Language; Introduction to Commercial German; Euclid, Book I., for beginners; the Elements of Plane Trigonometry.

From Baron Ferd. von Mueller, Melbourne, per Sir J. W. Dawson—Iconography of Australian Species of Acacia and Cognati Genera in 13 parts.

From the Weather Bureau, Washington—Weather Maps for April and May.

From the author (J. E. LeRossignol)—The Ethical Philosophy of Samuel Clarke.

From the Dominion Government, Ottawa—Appendix to 25th vol. of the Journals of the House of Commons, 1891; do. do. Journals of the Senate; Journal of the House of Commons, Appendices Nos. 2, 4 and 5.

From the author (Professor Chandler)—Elements of the Infinitesimal Calculus, 2 copies.

From the Institution of Civil Engineers—Proceedings, Vol. CVII.

From the New York State Library, Albany, N.Y.—State Museum Report for 1890; Bulletin of the Museum, No. 1.

From Wm. Drysdale—The History of Canada, from its first discovery to the present time, McMullen.

From Peter Redpath, Esq.—"Oxford Historical Society's Publications;" Woods' Life and Times, Vol. II.; Reminiscences of Oxford, by Oxford men.

From Messrs. Whittaker & Co. (publishers)—Mineralogy, by Frederick H. Hatch.

MCGILL UNIVERSITY LIBRARY

From the Highland & Agricultural Society of Scotland—Transactions, 5th series, Vol. 4.

From Melbourne University—Calendar for 1892.

From Aberdeen University—Calendar for 1892-93.

From the State Geologist, New Jersey—Annual Report for 1891.

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*Hockey Club.*

*President*—W. H. Smyth, B.A. (Medicine).
*Vice-President and Captain*—F. A. C. Bickerdike (Arts).
*Secretary Treasurer*—F. M. Beckett (Science).

*Cricket Club.*

*President*—Professor Moyse, B.A.
*Vice-President*—J. F. Mackie, B.A.
*B.C.L. and Secretary-Treasurer*—F. W. Hibbard, M.A., B.C.L.

*Lawn Tennis Club.*

*Hon. President*—Sir J. W. Dawson.
*President*—C. H. McLeod, M.A.E.
*Vice-President*—G. G. Campbell, M.D.
*Secretary*—Wm. Cowie.
*Treasurer*—S. J. Evans, M.D.
*Committee*—Messrs. Skaife, B.A.Sc., Mills and Molson.

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## DELTA SIGMA SOCIETY.

ESTABLISHED 1884.

Officers for 1893-94.

*President*—Agnes James.
*Vice-President*—Jessie Brown.
*Secretary-Treasurer*—Katharine Travis.
*Assistant Secretary*—Winona Pitcher.
*Committee*—Misses Jackson, Bötterell and Savage.

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## YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

ESTABLISHED 1887 (AS THEODORA SOCIETY).

Object.—The development of Christian character in the members, and the development of active Christian work particularly among the young women of the University. Open for membership to students of the Donalda special course for women.

SESSION 1893-94.

*President*—Isa Ogilvie.
*Vice-President*—Katharine Travis.
*Corresponding Secretary*—Maud Whiteaves.
*Recording Secretary*—Grace Henderson.
*Treasurer*—Justine Brown.
*Convener of Devotional and Bible Study Committee.*
Ethel S. Radford
*Convener of Theodora (Missionary) Committee.*
C. G. Seymour.
*Convener of Membership Committee.*
Margaret Craig.

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## McGILL COLLEGE CLASSICAL CLUB.

For the purpose of fostering a greater interest in, and promoting the further study of Classical Languages, Literature and Art.

Officers for 1893-94.

*Hon. President*—A. J. Eaton, Ph.D.
*President*—A. Mahaffy, B.A., '93
*Vice-President*—D. T. Davis, '94.
*Secretary*—A. Skeels, B.A., '93.
*Treasurer*—J. W. Hickson, B.A., '93.
*Executive Committee*—C. Mansur, B.A., '93; F. Bickerdike, '94

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## BANJO AND GLEE CLUB.

Officers for 1893-94.

*Hon. President*—Prof. C. H. McLeod.
*President.*—F. Lambert.
*Vice-President*—W. R. Askwith.
*Sec. Treasurer*—R. A. Gunn.
*Leader of Glee Club*—A. R. Holden.
*Leader of Banjo Club*—R. H. McDunnough.

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## SENIOR SOCIETY OF APPLIED SCIENCE.

Officers for 1893-94.

*President*—H. L. Herdt.
*Vice-President*—L. Lee Street, B.A.
*Sec. Treasurer*—J. H. Featherston.

# University Extension Lectures.

## UNDER THE SUPERINTENDENCE OF McGILL UNIVERSITY, MONTREAL, AND BISHOP'S COLLEGE, LENNOXVILLE.

SESSION 1893-94.

The Joint Board of Representatives of McGill University and the University of Bishop's College is prepared to organize and superintend courses of Lectures and Classes in populous centres for English-speaking audiences in the Province of Quebec.

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## OBJECT.

The purpose of the Local Lectures is to provide the means of higher education for persons of all classes and of both sexes engaged in the regular occupations of life. To obtain this object, the Lectures will be organized upon the general lines which have been worked out successfully from twenty years experience in England.

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## PLAN OF THE LECTURES.

In order to make the teaching at the same time attractive and thorough, a special method is followed.

1. The courses consist of ten weekly lectures, each lecture occupying an hour.

2. For about an hour preceding or following each lecture a Class is held for those students who wish to study the subject more thoroughly. The teaching in the class is conversational, and its object is to enable the Lecturer to answer questions or solve difficulties which have occurred to students, and to give advice as to text-books and other means of studying the subject.

The ten Lectures and Classes, which may be given in the three months before or three months after Christmas, form a continuous course on one subject.

3. In order to enable Students to follow the lecture readily and to carry away the substance of it, a printed syllabus in pamphlet form is prepared beforehand by the Lecturer for the use of Students.

4. Questions (printed in the syllabus) are set upon each Lecture. Those who desire to answer the questions write their answers at home during the week, and forward them to the Lecturer for correction and comment.

5. At the end of the Course an examination is held by the Lecturer, and another Examiner appointed for the purpose by the Joint Board of the Universities. The examination is not compulsory. Only those are admitted to it who have

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attended the Lectures and Classes to the satisfaction of the Lecturer, and have done such an amount of weekly paper work as the Lecturer may have required.

A list of the Candidates who have satisfied the Lecturer and Examiner is published, the names being arranged in alphabetical order. The list also indicates those who are recommended both by the Lecturer and Examiner for special distinction. Certificates of Passing and of Distinction are granted, based upon (1) the Lecturer's Report of the weekly work, (2) the final examination.

It will be seen that this system is adapted at the same time to persons who desire merely a general acquaintance with the subjects taught and to Students who are anxious to make a more thorough study. The majority of the courses in the English system have been given in the evening, as the fundamental idea throughout has been education for busy people. The audiences have included persons drawn from all ranks of society and of the widest diversity of previous education and training.

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## SUBJECTS OF THE LECTURES.

The Universities expect to provide Lectures on subjects connected with

I. English Language and Literature.

II. History and Archæology.

III. Logic, Mental and Moral Philosophy, and Political Science.

IV. Chemistry and its applications.

V. Astronomy.

VI. Electricity and other branches of Physical Science.

VII. Botany and Zoology, Animal and Vegetable Physiology.

VIII. Mineralogy and Geology.

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## APPOINTMENT OF LECTURERS.

In accordance with the requirements of the General Council for the extension of University teaching, Lecturers are appointed by the Joint Board only upon recommendation by a University and after inquiry as to special qualifications and approval of the syllabus submitted. The choice of a lecturer and subject from the list approved by the Board is made in each case by the Local Centre concerned.

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## ORGANIZATION OF A CENTRE.

When it is desired to establish a course of Lectures, a Local Committee should first be got together, and a guarantee fund formed sufficient to cover the expenses of the Course. The Local Committee undertakes all responsibility for hire of rooms, lighting, printing and sale of tickets, etc.; it fixes the price of tickets according to the size and class of audience expected, with a view to making the Lectures self-supporting, and chooses the subject and the Lecturer, communicating its wishes to the Joint Board through its Secretary.

## EXPENSES OF A COURSE.

The payment to the Joint Board for a complete course of Ten Lectures and Classes, with examination, is $150. In cases where a lecturer from a distance is chosen, or much apparatus is used, travelling expenses and the cost of hiring apparatus will be an extra charge.

Further information may be obtained from the Secretary to the Joint Board, Professor J. Cox, McGill University, Montreal.

May, 1893.

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# REGULATIONS

## AS TO COLLEGE GROUNDS.

Under the regulations of the Governors, restricting the use of the exercise grounds to College clubs, and until permanent arrangements can be made in connection with a new Gymnasium on the grounds, the following rules are in force :—

1. The membership of all clubs using the grounds must consist exclusively of members of the University,

2. No damage must be done to fences, trees, grass, etc.

3. All clubs desiring to use the ground in the time of the statutory college sessions, *i.e.*, from September 1st to May 1st, must register their officers, objects, rules and time desired in the Principal's office, on or before September 20th in each year, when rights and privileges will be assigned to them.

4. Clubs desiring to use any portion of the grounds in the summer vacation, that is, from May 1st to September 15th, shall register as above on or before April 1st.

5. No clubs not so registered can be recognized, nor any right of students not organized in regular clubs.

6. No club has any right to invite strangers, except by special permission of the Board of Governors.

7. The University Athletic Association may use the grounds for the training of its members from September 1st to date of the College sports, at such times as may be necessary. Tickets shall be furnished to Students so in training.

8. All the above privileges are subject to be revoked at any time by resolution of the Governors.

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BENEFACTORS OF

# McGill University, Montreal.

## 1. GENERAL ENDOWMENTS AND SUBSCRIPTIONS FOR THE UNIVERSITY AND OF THE FACULTY OF ARTS.

### 1. ORIGINAL ENDOWMENT, 1811

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the Colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....$120,000

### 2. UNIVERSITY BUILDINGS, ETC.

THE WILLIAM MOLSON HALL, being the west wing of the McGill College buildings with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and was formally opened to the public August, 1882.

THE WILLIAM C. McDONALD Physics building and equipment of same, the gift of William C. McDonald, Esq., announced by him as a gift to the University in 1890, and was formally opened February, 1893.

Lots for University buildings adjoining the College grounds fronting on McTavish St, presented by J. H. R. Molson, Esq.,—$42,500.

THE PETER REDPATH LIBRARY BUILDING, the gift of Peter Redpath, Esq., announced by him as a gift to the University in 1891.

### 3. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B A., in classes wholly separate, to constitute a separate Special Course or College for women,—$120,000.

### 4. ENDOWED CHAIRS, ETC.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq., —$20,000, and supplemented in 1892 by John H. R. Molson, Esq., with a further sum of $20,000. Total $40,000.

THE PETER REDPATH CHAIR OF NATURAL PHILOSOPHY, in 1871, endowed by Peter Redpath, Esq.,—$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S., and Hart Logan, Esq.,—$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham,—$20,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—$42,000.

THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to the Faculty of Arts.

THE WILLIAM C. MCDONALD CHAIR OF PHYSICS, in 1890, endowed by William C. McDonald, Esq.,—$50,000.

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—$40,000.

THE CHARLES GIBB BOTANICAL ENDOWMENT, received by subscriptions, the endowment to be invested by the Board of Governors and the income devoted to the maintenance of the Chair of Botany in the Faculty of Arts, and to procuring appliances therefor.

Miss Elizabeth C. Orkney,—$2,000.
Mrs. Catherine Hill,—$200.

W. C. MCDONALD PHYSICS BUILDING Maintenance Fund, endowed by W. C. McDonald, Esq., to be invested and interest used to meet the expense of Heating, Lighting, Insurance, and salary of caretaker,—$40,000.

## 5. EXHIBITIONS AND SCHOLARSHIPS, ETC.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts,—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of $1,667.

THE MCDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882 with the sum of $25,000, by William C. McDonald, Esq.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871 by Charles Alexander, Esq. Endowed in 1893 with the sum of $2,000.

THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of $2,000, in 1884.

THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts.—Annual value, $125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of $1,500.

T. M. THOMPSON, ESQ.—$250 for two Exhibitions in September, 1871; $200 for two Exhibitions in 1872,—$450.

REV. COLIN C. STEWART—for the "Stewart Prize in Hebrew,"—$60.

THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value, $100—terminated in 1878.

PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-7,—$350.

HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarships for 1891 and 1893, value £150 annually, tenable for two years.

THE PHILIP CARPENTER FELLOWSHIP—founded by Mrs. Philip Carpenter, for the Maintenance of a Post-Graduation Teaching Fellowship or Scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College, endowed with the sum of $7000.

A Lady to provide four free tuitions in the Faculty of Arts for session 1892-3.

## 6. ENDOWMENTS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of $700.

In 1860 the sum of £200, presented to the College by H.R.H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

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In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physics.

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint, was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.

In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G.S., etc.

In 1874 a Gold and a Silver Medal were given by His Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1875 the "Neil Stuart prize in Hebrew" was endowed by Neil Stuart, Esq., of Vankleek Hill, in the sum of $340.

In 1880 a Gold and Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture" by Students in the Graduating Class and 2nd year, who have attended the University Gymnasium. The Gold Medal was continued to 1889 and the Silver and Bronze have been continued to date.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science, continued till 1888.

In 1888 a Gold and a Sliver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

THE "CHARLES G. COSTER MEMORIAL PRIZE" for general proficiency—given annually by Colin H. Livingstone, Esq., B.A., founded in 1889.

## 7. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

1856.

| | | | |
|---|---|---|---|
| John Gordon McKenzie, Esq. | $2000 | Charles Alexander, Esq. | $600 |
| Ira Gould, Esq. | 2000 | Moses E. David, Esq. | 600 |
| John Frothingham, Esq. | 2000 | Wm. Carter, Esq. | 600 |
| John Torrance, Esq. | 2000 | Thomas Patton, Esq. | 600 |
| James B. Greenshields, Esq. | 1200 | Wm. Workman, Esq. | 600 |
| William Busby Lambe, Esq. | 1200 | Hon. Sir A. T. Galt | 600 |
| Sir George Simpson, Knight | 1000 | Hon. Luther H. Holton | 600 |
| Henry Thomas, Esq. | 1000 | Henry Lyman, Esq. | 600 |
| John Redpath, Esq. | 1000 | David Torrance, Esq. | 600 |
| James McDougall, Esq. | 1000 | Edwin Atwater, Esq. | 600 |
| James Torrance, Esq. | 1000 | Theodore Hart, Esq. | 600 |
| Hon. James Ferrier | 1000 | William Forsyth Grant, Esq. | 600 |
| Harrison Stephens, Esq. | 1000 | Robert Campbell, Esq. | 600 |
| Henry Chapman, Esq. | 600 | Alfred Savage, Esq. | 600 |
| Honorable Peter McGill | 600 | James Ferrier, jun., Esq. | 600 |
| John James Day, Esq. | 600 | William Stephen, Esq. | 600 |
| Thomas Brown Anderson, Esq. | 600 | N. S. Whitney, Esq. | 600 |
| Peter Redpath, Esq. | 600 | William Dow, Esq. | 600 |
| Thomas M. Taylor, Esq. | 600 | William Watson, Esq. | 600 |
| Joseph McKay, Esq. | 600 | Edward Major, Esq. | 600 |
| Donald Lorn McDougall, Esq. | 600 | Honorable Charles Dewey Day | 200 |
| Hon. Sir John Rose | 600 | John R. Esdaile, Esq. | 200 |

1871.

| | | | |
|---|---|---|---|
| William Molson, Esq | $5000 | T. W. Ritchie, Esq | $60 0 |
| William C. McDonald, Esq | 5000 | Messrs. A. & W. Robertson | 600 |
| Thomas Workman, Esq | 5000 | Messrs. Sinclair, Jack & Co | 250 |
| John Frothingham, Esq | 5000 | John Reddie, M.D | 100 |
| J. H. R. Molson, Esq | 5000 | Wm. Lunn, Esq | 100 |
| John McLennan, Esq | 2000 | Kenneth Campbell, Esq | 100 |
| B. Gibb, Esq | 600 | R. A. Ramsay, Esq | 100 |
| W. Notman, Esq | 600 | William Rose, Esq | 50 |

1881-82.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $5000 | O. S. Wood, Esq | $1000 |
| G. A. Drummond, Esq | 4000 | J. S. McLachlan, Esq | 1000 |
| Geo. Hague, Esq | 3000 | J. B Greenshields, Esq. (London) | 1000 |
| M. H. Gault, Esq | 2000 | Warden King, Esq | 1000 |
| Andrew Robertson, Esq | 1000 | W. B. Cumming, Esq | 1000 |
| Robertson Campbell, Esq | 1000 | Mrs. Hew Ramsay | 500 |
| Sir J. Hickson and Lady Hickson | 1000 | R. A. Ramsay, Esq | 500 |
| Mrs. Andrew Dow | 1000 | H. H. Wood, Esq | 500 |
| Alexander Murray, Esq | 1000 | James Burnett, Esq | 500 |
| Miss Orkney | 1000 | Charles Gibb, Esq | 500 |
| Hector McKenzie, Esq | 1000 | | |

1883-84.

Edward Mackay, Esq ..... $5000

8. SUBSCRIPTIONS FOR CURRENT EXPENSES, 1881-82.

| | | | |
|---|---|---|---|
| Principal Dawson | $1000 | Being | $1000 |
| J. H. R. Molson, Esq | 1000 | Per annum, 5 years, being | 5000 |
| George Stephen, Esq | 1000 | " " | 5000 |
| Hon. Donald A. Smith | 1000 | " " | 5000 |
| David Morrice, Esq | 200 | " " | 1000 |
| Messrs. Gault Brothers & Co | 200 | " " | 1000 |
| Messrs. S. H. & A. S. Ewing | 200 | " " | 1000 |
| Hon. Robert Mackay | 300 | Per annum, 2 years, being | 600 |
| Jonathan Hodgson, Esq | 100 | " 5 " | 500 |
| Geo. M. Kinghorn, Esq | 100 | " 5 " | 500 |
| Thomas Craig, Esq | 100 | " 2 " | 200 |
| John Rankin, Esq | 200 | Being | 200 |
| John Duncan, Esq | 200 | " | 200 |
| Robert Benny, Esq | 100 | " | 100 |
| Miss E. A. Ramsay | 100 | " | 100 |
| Hugh Paton, Esq | 50 | For 2 years, being | 100 |
| George Brush, Esq | 25 | For 5 years, being | 125 |
| J. M. Douglas, Esq | 50 | Being | 50 |
| James Court, Esq | 50 | " | 50 |
| David J. Greenshields, Esq | 300 | " | 300 |

1887-88.

| | | | |
|---|---|---|---|
| John H. R. Molson | $1000 | Per annum, 3 years, being | $3000 |
| W. C. McDonald, Esq | 1000 | " " " | 3000 |
| Peter Redpath, Esq | 1000 | " " " | 3000 |
| Hon. Sir D. A. Smith, K.C.M.G | 1000 | " " " | 3000 |
| Hon. Jas. Ferrier | 500 | " " " | 1500 |
| Sir Joseph Hickson | 500 | " " " | 1500 |
| Hugh McLennan, Esq | 250 | " " " | 750 |
| E. B. Greenshields, Esq | 250 | " " " | 750 |
| George Hague, Esq | 250 | " " " | 750 |
| John Molson, Esq | 250 | " " " | 750 |
| Samuel Finley, Esq | 250 | " " " | 750 |

MCGILL UNIVERSITY LIBRARY

Mrs. Mackay, $100.00 annually, 1889 to 1893 ..... $500

9. TO PROVIDE SESSIONAL LECTURERS.

| | | |
|---|---|---|
| Hon. Sir Donald A. Smith, | 1891-92 | $3500 |
| Do | 1892-93 | 4000 |
| Mrs. John H. R. Molson, | 1891-92 | 300 |
| Do | 1892-93 | 1000 |
| Do | 1893-94 | 1000 |

## II. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF APPLIED SCIENCE.

### 1. BUILDINGS, CHAIRS, ETC.

The William Scott Chair of Civil Engineering, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—$30,000.

The David J. Greenshields Chair of Chemistry and Mineralogy, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of $40,000, half of which is devoted to Faculty of Applied Science.

The Thomas Workman Department of Mechanical Engineering—founded under the last will of the late Thomas Workman, Esq., and endowed with the sum of $117,000. The sum of $60,000 for the maintenance of a Chair of Mechanical Engineering, with the assistance, shops, machinery and apparatus necessary thereto, $57,000 to be expended in provision of necessary buildings, machinery and apparatus. Any balance of this to be added to the invested endowment for the maintenance of the said Department.

William C. McDonald, Esq., toward erection of Thomas Workman Workshops, $20,000.

The William C. McDonald Engineering Building, and Equipment of same—announced by the donor as a gift to the University in 1890, and formally opened February, 1893.

The William C. McDonald Chair of Electrical Engineering—endowed by William C. McDonald, Esq., in 1891 with the sum of $40,000.

Macdonald Engineering Building Maintenance Fund, endowed by W. C. McDonald, Esq., in 1892, the income to be devoted to paying for Heating, Lighting, Insurance and Salary of Mechanician, $45,000.

### 2. EXHIBITIONS AND SCHOLARSHIPS.

The Scott Exhibition—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of $1,100, subscribed by members of the Society and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science—Annual value $60.

The Burland Scholarship—founded 1882, by J. H. Burland, B.A.Sc., $100 for a Scholarship in Applied Science, for three years, being $300.

Her Majesty's Commission for the Exhibition of 1851—Nomination Scholarships for 1891 and 1893, value £150 annually, tenable for two years.

### 3. MEDALS AND PRIZES.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the Council of the Association, in commemoration of its meeting in Montreal in the year 1884.

(See also under Medals and Prizes in Section 1.)

## 4. ENDOWMENTS AND SUBSCRIPTIONS FOR MAINTENANCE OF FACULTY OF APPLIED SCIENCE.

*Endowment Fund.*

| | | | |
|---|---|---|---|
| Daniel Torrance, Esq | $5000 | Graduates' Endowment Fund—Class 1890—$70.00 a year for 5 years | $350 |
| George Moffatt, Esq | 1000 | | |
| Charles J. Brydges, Esq | 1000 | | |

*Annual Subscriptions*, 1871-1879.

| | | | |
|---|---|---|---|
| Hon. James Ferrier ($100 per annum, for 10 years) | $1000 | H. McLennan, Esq. ($100 per annum, for 5 years) | 500 |
| Peter Redpath, Esq. ($400 per annum, for 10 years) | 4000 | A. F. Gault, Esq. ($100 per annum, for 5 years) | 500 |
| John H. R. Molson, Esq. ($400 per annum for 10 years) | 4000 | Gilbert Scott, Esq. ($100 for 2 years) | 200 |
| George H. Frothingham, Esq. ($400 per annum, for 7 years) | 2800 | Joseph Hickson, Esq. ($100 for 2 years | 200 |
| T. James Claxton, Esq. ($100 per annum, for 6 years) | 600 | Principal Dawson, ($300 for 2 years | 600 |
| Donald Ross, Esq. ($50 per annum, for 5 years) | 250 | His Excellency the Marquis of Lorne | 500 |
| Miss Mary Frothingham ($400 per annum, for 3 years) | 1200 | Mrs. Redpath (Terrace Bank) | 100 |

*Towards Maintenance of Engineering Department.*

| | |
|---|---|
| W. C. McDonald, Esq | $10,000 |
| W. C. McDonald, Esq. (for advertising) | 675 |

*To provide lectures in Mechanical and Sanitary Engineering.*

| | | | |
|---|---|---|---|
| E. B. Greenshields, Esq | $ 50 | Jeffrey H. Burland, B.A.Sc., $100 for 2 years | 200 |
| J. E. Bovey, Esq | 50 | Smaller amounts | 40 |
| Professor H. T. Bovey | 61 | | |

*Chair of Practical Chemistry.*

| | | | |
|---|---|---|---|
| Hon. C. Dunkin, M. P | $1200 | P. Redpath, Esq | $ 226 |
| Principal Dawson | 1200 | | |

*For Maintenance of Chair of Mining Engineering and Metallurgy*, 1891.

| | | | | | |
|---|---|---|---|---|---|
| R. B. Angus, Esq | $2000 00 | | | 4350 00 | 6200 00 |
| Mrs. Dow | 1000 00 | | Dr. T. Brainerd | 750 00 | |
| Hugh McLennan, Esq | 1000 00 | | A. F. Gault, Esq. | 750 00 | |
| Miss Benny | 1000 00 | | Messrs. H. & A. Allan | 750 00 | |
| T. A. Dawes, Esq. | 750 00 | | Hector McKenzie, Esq | 750 00 | |
| A. A. Ayer, Esq. | 250 00 | | Peter Lyall, Esq | 750 00 | |
| G. W. Reid, Esq. | 100 00 | | A. Robertson, Esq. | 300 00 | |
| Evans Bros | 100 00 | | John Duncan, Esq. | 300 00 | |
| | —$6200 00 | | Geo. Hague, Esq. | 300 00 | |
| *Payable in three years.* | | | Jonathan Hodgson, Esq. | 300 00 | |
| Sir William Dawson | 1500 00 | | James Moore, Esq. | 200 00 | |
| Alex. Stewart, Esq. (London, Eng.) | 1500 00 | | Messrs. Ames & Holden | 150 00 | |
| R. C. Reid, Esq. | 1500 00 | | Jas. Cooper, Esq. | 150 00 | |
| James Ross, Esq | 600 00 | | | —11,300 00 | |
| E. K. Greene, Esq. | 750 00 | | | | $17,500 00 |
| | 4350 00 | 6200 00 | | | |

McGILL UNIVERSITY LIBRARY

*Class Rooms for Faculty of Applied Science*, 1888.

John H. R. Molson, Esq..... $3000 | W. C. McDonald, Esq ..... 3000

*Surveying and Geodetic Apparatus.*

W. C. McDonald, Esq ..... 1500

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## 5. LIST OF SUBSCRIBERS AND DONORS TO THE EQUIPMENT OF THE NEW ENGINEERING BUILDINGS OF McGILL UNIVERSITY, TO MAY, 1893.

Mrs. J. McDougall.....$4000
R. Hersey, Esq ..... 1200
R. Reford, Esq..... 1000
Messrs. Garth & Co..... 500
Messrs. Warden King & Son ..... 534
Messrs. Jordan & Locker...Equipment
W. Ogilvie, Esq .....$500
J. A. Pillow, Esq..... 250
James Shearer, Esq ..... 200
G. W. Reed, Esq..... 100
Messrs. A. Ramsay & Son..... 100
F. Scholes, Esq..... 100
Messrs. W. McNally & Co..... 100
A. Ewan, Esq..... 100
Mrs. Redpath..... 100
E. Chanteloup, Esq ..... 50
Charles Sheppard, Esq ..... 200
G. Sadler, Esq. (Robin & Sadler). Belting ($400)
R. Reid, Esq..... .....Equipment
P Mitchell, Esq.....Equipment ($300)
Messrs. Twyford & Co. .....Equipment
D. McLaren, Esq..... .....$100
J. Robertson, Esq. $50 and Equipment
Kenneth Campbell, Esq..... $50
R. G. Reid, Esq .....1000
W. Drysdale, Esq..... .....Tools
A. Macpherson, Esq..... .....Tools
Swan Lamp Mf'g. Co.. .....Lamps
Messrs. E. & C. Gurney & Co.....$604
James Ross, Esq..... .....$500
H. R. Ives, Esq.....Cupola
G. R. Prowse, Esq..... .....Equipment
Jonathan Hodgson, Esq .....$200
Messrs. Hughes & Stephenson..... Equipment
W. H. Hutton, Esq..... .....
G. A. Grier, Esq.....Equipment
S. Carsley, Esq..... .....$100
H. Graham, Esq ..... 100
E. W. Rathbun, Esq..... ..... 112
Messrs. Brodie & Harvey..... 50
W. Abbott, Esq.....Equipment
Henry Birks, Esq ..... .....Clock
Kenneth Blackwell, Esq.....Equipment
A. Bremner, Esq ..... $50
Campbell Tile Co., England, per Jordan & Locker .....Equipment
F. Chadwick, Esq.....Truss Models
Crosby Steam Valve Co., Boston. Indicator & Valves
John Date, Esq ..... ....Equipment
D. Drysdale, Esq..... .....Tools
R. Forsyth, Esq..... .....Equipment
Messrs Frothingham & Workman.Tools
W. E. Gower, Esq .....
Messrs. Hearn & Harrison, per L. Harrison, Esq.....Barometer & Clock
A. Holden, Esq..... .....Equipment
John Kennedy, Esq ..... Equipment
J. Laurie & Bro .....Compound Engine
G. Brush, Esq..... .....Boiler
Messrs. Miller Bros. & Tom's...Elevator
Wm. Kennedy, Esq. Owen Sound, Pump
Messrs. R. & W. Kerr .....Tools
A. J. Lawson, Esq.....Equipment
Messrs. D. & J. McCarthy, Sorel...$300
Norton (The) Emery Wheel Co., Worcester, U. S.....Equipment
Wm. Notman, Esq.....Photographs
Radiator Co., Toronto .....$500
E. M. Renouf, Esq ..... .....Books
Scovill Manufacturing Co.. Equipment
P. W. St George, Esq.....Models
Messrs. Tees & Co.....Equipment
Messrs. James Walker & Co .....Tools
George Bishop, Esq.....Equipment
The Edison General Electric Co... Two 450 light dynamos
The Whittier Machine Co. (Boston). Electric Elevator
The Thomson-Houston Co. (Boston)..... .....Incandescent dynamos
The Royal Electric Co..... 12 Arc Light dynamos
W. Rutherford, Esq..... ....Equipment
Messrs. J. Bertram & Sons (Dundas).....24in. Planer
Messrs. R. W. Gardner & Son..... 16in. Lathe

Dominion Wire Manfg. Co., per F. Fairman, Esq.....Shaper
The B. F. Sturtevant Co. (Boston) Blowers
The Geo. Blake Pump Co. (New York and Boston).....Pump
Ashton Valve Co. (Boston)..... Sectional Valve
Messrs. Siemens Bros. (London, Eng.).....Cable Samples
A. T. Taylor, Esq.....$300
H. T. Bovey, Esq.....Books
The National Electric Mf'g Co..... Transformers
W. C. McDonald, Esq.....Equipment
M. Parker, Esq.....Equipment
Messrs. Robb & Armstrong..... 80 H. P. High Speed Engine
Messrs. Pratt & Whitney (Hartford, Conn.), Epicycloidal Gear Model
Messrs. Schaeffer & Budenberg (Brooklyn, N. Y.)..Double Indicator
J. Costigan, Esq.....Equipment
H. Archbald, Esq.....Books
Herr Brockhaus.....Books
John Seeley, Esq.....Insulators
Messrs. Nalder Bros. & Co. (Eng.). Standard Cell
Warrington Wire Co...Cable Samples
The Pelton Water Wheel Company (New York).....Two Motors
Yale & Towne Manufacturing Co. (Stamford, Conn.).....Equipment
The Crooker-Wheeler Electric Motor Co. (New York).....Motor
American Steam Gauge Company (Boston).....Indicator
Messrs. John Wiley & Sons (New York).....Books
Messrs. E. J. Maxwell & Co.Equipment.
Dr. Mason..... "
Messrs. R. Mitchell & Co... "
F. L. Wanklyn, Esq..... "
F. R. Redpath, Esq..... "
Messrs. Irwin & Hopper.... "
Canadian General Electric Co. (Toronto) per F. Nichols, Esq..... "
R. Guilford Smith, Esq.....Books.
Henry Garth, Esq.....Equipment.
R. Gardner, Esq..... "
H. Paton, Esq..... "
Messrs. John Lovell & Sons.....Books
Professor Egleston (New York). Books
S. R. Earle, Esq.....Air Injector
Eureka Tempered Copper Co. Equipment
Alf. Joyce.....$ 50
Hon. J. K. Ward..... 50
Peter Nicholson..... 100
W. Rodden, Esq.....Equipment.
R. Smith, Esq..... "
A. Palmer, Esq..... "
Prof. C. A. Carus-Wilson. "
Electric Welding Company (Boston)..... "
Professor Rogers (Waterville, Maine)..... "
Messrs. Sharp, Stewart & Co. (Manchester, Eng.)..... "
Messrs. Hadfield (Sheffield). "

The above representing a total value of about $80,000.

### 6. FACULTY OF APPLIED SCIENCE LIBRARY ENDOWMENT.

| | | | |
|---|---|---|---|
| Hugh Paton. | $ 25 | W. Rodden | 25 |
| A. Joyce | 25 | M. Parker | 25 |
| R. Gardner | 50 | Robin & Sadler | 50 |
| H. Garth | 100 | | |
| Hughes & Stephenson | 100 | | $700 |
| R. Mitchell | 300 | | |

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## III. ENDOWMENTS AND SUBSCRIPTIONS IN AID OF THE FACULTY OF MEDICINE.

### 1. LEANCHOIL ENDOWMENT.

Hon. Sir Donald A. Smith, K.C.M.G..... $50,000

MCGILL UNIVERSITY LIBRARY

## 2. CAMPBELL MEMORIAL ENDOWMENT—$63,000.

Established to commemorate the service rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

| | |
|---|---|
| Mrs. G. W. Campbell | $2000 |
| H. A. Allan, Esq | 1500 |
| Hon. Sir D. A. Smith | 1500 |
| Sir George Stephen, Bart | 1000 |
| R. B. Angus, Esq | 1000 |
| George A. Drummond, Esq | 1000 |
| Alex. Murray, Esq | 1000 |
| Robt. Moat, Esq | 1000 |
| W. C. McDonald, Esq | 1000 |
| A friend | 1000 |
| Duncan McIntyre, Esq | 1000 |
| Alex. Buntin, Esq | 1000 |
| A. F. Gault, Esq | 1000 |
| M. H. Gault, Esq | 1000 |
| G. W. Stephens, Esq | 1000 |
| James Benning, Esq | 1000 |
| R. P. Howard, M.D | 1000 |
| Frank Buller, M.D | 1000 |
| G. B. & J. H. Burland, Esqs | 1000 |
| Miss Elizabeth C. Benny | 1000 |
| J. C. Wilson, Esq | 1000 |
| Mrs. John Redpath | 1000 |
| Hon. John Hamilton | 1000 |
| Miss Orkney | 1000 |
| Hugh McKay, Esq | 1000 |
| Hector McKenzie, Esq | 1000 |
| Thomas Workman, Esq | 1000 |
| Hugh McLennan, Esq | 1000 |
| O. S. Wood, Esq | 1000 |
| James Burnett, Esq | 500 |
| Andrew Robertson, Esq | 500 |
| Robt. McKay, Esq | 500 |
| John Hope, Esq | 500 |
| Alex. Urquhart, Esq | 500 |
| E. K. & G. A. Greene, Esqrs | 500 |
| R. A. Smith, Esq | 500 |
| George Hague, Esq | 500 |
| J. K. Ward, Esq | 500 |
| Warden King, Esq | 500 |
| John Sterling, Esq | 500 |
| John Rankin, Esq | 500 |
| Messrs. Cantlie, Ewan & Co | 500 |
| Robt. Reford, Esq | 500 |
| Messrs. J. & W. Ogilvie | 500 |
| Randolph Hersey, Esq | 500 |
| John A. Pillow, Esq | 500 |
| S. Carsley, Esq | 500 |
| D. C. MacCallum, M.D | 500 |
| Messrs. McLachlan Bros | 500 |
| Messrs. S. Greenshields, Son & Co. | 500 |
| Jonathan Hodgson, Esq | 500 |
| Duncan McEachran, Esq., F. R. C.V.S | 500 |
| Geo. Ross, M.D | 500 |
| T. G. Roddick, M.D | 500 |
| Wm. Gardner, M.D | $500 |
| G. P. Girdwood, M.D | 500 |
| G. E. Fenwick, M.D | 500 |
| Alex. Ramsay, Esq | 500 |
| Messrs. Cochrane, Cassils & Co. | 500 |
| Sir Joseph Hickson | 500 |
| Allan Gilmour, Esq. (Ottawa) | 500 |
| R. W. Shepherd, Esq | 500 |
| Miles Williams, Esq | 300 |
| Chas. F. Smithers, Esq | 250 |
| John Kerry, Esq | 250 |
| A. Baumgarten, Esq | 250 |
| R. W. Elmenhorst, Esq | 250 |
| W. F. Lewis, Esq | 250 |
| Geo. Armstrong, Esq | 250 |
| J. M. Douglas, Esq | 250 |
| Messrs. H. Lyman, Sons & Co | 250 |
| William Osler, M.D | 250 |
| F. J. Shepherd, M.D | 250 |
| Benj. Dawson, Esq | 200 |
| R. Wolff, Esq | 150 |
| James Stuart, M.D | 150 |
| A. T. Paterson, Esq | 100 |
| H. W. Thornton, M.D. (New Richmond, Q) | 100 |
| M. E. David, Esq | 100 |
| C. B. Hanvey, M.D. (Yale, B.C.) | 100 |
| D. Cluness, M.D. (Nanaimo, B.C.) | 100 |
| W. Kinlock, Esq | 100 |
| Hua & Richardson | 100 |
| Mrs. Cuthbert (N. Richmond, Q.) | 100 |
| J. M. Drake, M.D | 100 |
| Hugh Paton, Esq | 100 |
| R. T. Godfrey, M.D | 100 |
| T. A. Rodger, M.D | 100 |
| W. A. Dyer, Esq | 100 |
| Geo. Wood, M.D. (Faribault, Minn.) | 100 |
| A. A. Browne, M.D | 100 |
| George Wilkins, M.D | 100 |
| R. L. McDonnell, M.D | 100 |
| Joseph Workman, M.D. (Toronto) | 50 |
| Hon. Sir A. T. Galt | 50 |
| Henry Lunam, B.A., M.D. (Campbellton, N.B.) | 50 |
| R. J. B. Howard, M.D | 25 |
| T. J. Alloway, M.D | 25 |
| Louis T. Marceau, M.D. (Napierville, Q.) | 25 |
| Griffith Evans, M.D. (Vet. Dept. Army) | 25 |
| J. J. Farley, M.D. (Belleville) | 25 |
| Henry R. Gray, Esq | 25 |
| J. E. Brouse, M.D. (Prescott) | 20 |

| | |
|---|---|
| R. F. Rinfret (Quebec) | $20 |
| Robt. Howard, M.D. (St. Johns) | 20 |
| Drs. J. & D. J. McIntosh (Vankleek Hill) | 20 |
| J. H. McBean, M.D | 15 |
| J. C. Rattray, M.D. (Cobden, O.) | 10 |
| E. H. Howard, M.D. (Lachine) | 10 |
| J. W. Oliver, M.D. (Clifton, O.) | 10 |
| D. A. McDougall, M.D. (Ottawa, O.) | 10 |
| A. Poussette, M.D. (Sarnia, O.) | 10 |
| A. Ruttan, M.D. (Napanee, O.) | 10 |
| Jas. Gunn, M.D. (Durham, O.) | 10 |
| J. McDiarmid, M.D. (Hensall, O.) | $5 |
| W. J. Derby, M.D. (Rockland, O.) | 5 |
| J. Gillies, M.D. (Teeswater, O.) | 5 |
| J. B. Benson, M.D. (Chatham, N.B.) | 5 |
| L. A. Fortier, M.D. (St. David, Q.) | 5 |
| J. A. McArthur, M.D. (Fort Elgin, O.) | 5 |
| John Campbell, M.D. (Seaforth, O.) | 5 |

## 3. ENDOWED CHAIRS, ETC.

Sir Donald A. Smith Chair of Pathology in the Faculty of Medicine, endowed in 1893 by the Hon. Sir Donald A. Smith with the sum of ..... $50,000

Sir Donald A. Smith Department of Hygiene in the Faculty of Medicine, endowed in 1893 by the Hon. Sir Donald A. Smith with the sum of.. 50,000

Mrs. Mary Dow Bequest—Bequest by the will of the late Mrs. Mary Dow for the Faculty of Medicine, 1893, $10,000, less Government tax of 10 per cent ..... $9,000

John H. R. Molson Donation—Donation by J. H. R. Molson, Esq., to the Faculty of Medicine of McGill University, $25,000 for the purchase of land, and $35,000 for additional building and equipment..... $60,000

Walter Drake, Esq., for benefit of Chair of Physiology, interest annually on $10,000, session 1891 to 1892-3... ..... $500

Mrs. John McDougall, toward formation of a Dr. Craik Fund..... $500

## 4. MEDALS AND SCHOLARSHIPS.

In 1865 the "Holmes Gold Medal" was founded by the Faculty of Medicine as a memorial of the late Andrew Holmes, Esq, M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class in Medicine, who should undergo a special examination in all the branches, whether Primary or Final.

In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations.

The David Morrice Scholarship—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value $100. (Terminated in 1883.)

## 5. LIBRARY, MUSEUM AND APPARATUS.

*For the fittings of the Library and Museum of the Faculty of Medicine*, 1872.

| | |
|---|---|
| G. W. Campbell, A.M., M.D. | $1200 |
| W. E. Scott, M.D. | 200 |
| Wm. Wright, M.D. | 200 |
| Robert P. Howard, M.D. | 200 |
| Duncan C. MacCallum, M.D. | 200 |
| Robert Craik, M.D | $200 |
| Geo. E. Fenwick, M.D. | 200 |
| Joseph M. Drake, M.D. | 200 |
| George Ross, M.A., M.D | 50 |

The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine ..... Donation to Apparatus Museum, Library, etc., of the Medical Faculty, 1887, $1,182; 1888, $1,023. 2205

MCGILL UNIVERSITY LIBRARY

*For Physiological Laboratory of Faculty of Medicine, 1879.*

| | | | |
|---|---|---|---|
| Dr. Campbell | $100 | Dr. Ross | $50 |
| Dr. Howard | 100 | Dr. Roddick | 50 |
| Dr. Craik | 100 | Dr. Buller | 50 |
| Dr. MacCallum | 100 | Dr. Gardner | 50 |
| Dr. Drake | 100 | Dr. Osler | 50 |
| Dr. Godfrey | 100 | | |
| Dr. McEachran, F.R.C.V.S | 100 | | $950 |

*Cameron Obstetrical Collections.*

Dr. J. C. Cameron ..... $10,000

6. MISCELLANEOUS.

Anonymous Donor toward Expenses of Pathology for Session 1892-3. ..... $500

## IV. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF LAW.

1. ENDOWED CHAIRS, ETC.

THE GALE CHAIR, in the Faculty of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale) of Montreal, in memory of her father, the late Honourable Mr. Justice Gale,—$25,000; part received, May, 1893.

THE WILLIAM C. MCDONALD Faculty of Law Endowment, founded by William C. McDonald, Esq. (1890)—$150,000.

2. MEDAL.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. Joan Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

## V. LIBRARY, MUSEUM AND APPARATUS.

1. LIBRARY.

1. SPECIAL COLLECTION OF BOOKS PRESENTED TO THE LIBRARY

1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 2676 Volumes, with subsequent additions.
2. The Robson Collection of works in Archæology and General Literature, presented by Dr. John Robson, of Warrington, England, 3436 Volumes.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice MacKay, Collection of Books, being the whole of his Library, 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Sir Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

## 2. SUBSCRIPTIONS, ETC., TO LIBRARY.

| | |
|---|---|
| John Thorburn, for purchase of Books | $ 90 |
| Andrew Drummond, do for Applied Science | 25 |
| Hon. F. W. Torrance, for Mental and Moral Philosophy Book Fund | 1000 |
| Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund | 1000 |
| A Friend, by the Hon. F. W. Torrance | 400 |
| The Graduates in Arts and Applied Science of 1885 for purchase of Books | 31 |
| Do of 1886 | 28 |
| The late R. A. Ramsay, Esq., Bequest for purchase of books | 1000 |
| Wm. Molson, Esq., for Library Fund | 4000 |
| Andrew Drummond, Esq., to Library Fund of Faculty of Applied Science | 25 |
| Hon. Sir Donald A. Smith, for purchase of books from the R.W Boodle Library | 200 |
| Ottawa Valley Graduates Society, for binding books in the University Library | 25 |
| Hugh S. McLennan, Library Endowment, a gift from Estate late Hugh S. McLennan to the Library of McGill College, the income to be applied to binding | 250 |
| Peter Redpath, Esq., in aid of the new catalogue of the Library (1892) | 500 |

## 3. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium, presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells, presented by the late P. P. Carpenter, Ph. D.
3. The Collection of Casts of Ivory Carvings issued by the Arundel Society, presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.
6. The Dawson Collection in Geology and Palæontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
7. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., and J. H. Burland, Esq.
8. R. Morton Middleton, Jr., London, Eng. Collection of Plants.

(See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report of the Museum.

## 4. SUBSCRIPTIONS, ETC., FOR THE MUSEUM.

| | |
|---|---|
| T. J. Claxton, Esq., for purchase of Specimens for Museum | $ 250 |
| Wm. Molson, Esq., for Museum Fund | 2000 |
| Peter Redpath, Esq., for Museum Expenses, $1000 per annum from 1882 to 1892 | 11,000 |
| Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells | 233 |
| Peter Redpath, Esq., for improvements to Museum | 1000 |
| A Lady for Museum Expenses, from 1882 to 1891 | $6000 |
| A friend for the purchase of specimens for the Museum | 1900 |
| John H. R. Molson for purchase of book on "Butterflies of Eastern U.S. and Canada" | 50 |
| Hon. Sir Donald A. Smith, for mounting skin and skeleton of Musk Ox | 150 |

MCGILL UNIVERSITY LIBRARY

### 5. FOR APPARATUS.

| | |
|---|---|
| William Molson, Esq., Philosophical Apparatus, 1867 | $ 500 |
| John H. R. Molson, Esq., for the same | 500 |
| Peter Redpath, Esq., for the same | 500 |
| George Moffatt, Esq., for the same | 250 |
| Andrew Robertson, Esq., for the same | 100 |
| John Frothingham, Esq., for the same | 100 |
| David Torrance, Esq., for the same | 100 |
| A Telescope and Astronomical Instruments, the gift of Chas. T. Blackman, Esq., of Montreal, and called after his name. | |
| Thos. J. Barron, B.A., for Philosophical Apparatus | 50 |
| J. H. R. Molson, Esq., Dynamo, Gas Engine and fixtures | 1792 |
| A Lady, for the purchase of Mining Models | 1000 |
| Thos. McDougall, Esq., for the same | 25 |
| J. Livesey, Esq., through Dr. Harrington, for the same | 50 |
| Geo. Stephen, Esq., for the same. | 50 |
| Chas. Gibb, B.A., donation for Apparatus in Applied Science | $50 |
| The Local Committee for the reception (1881) of American Society of Civil Engineers { For the purpose of appliances for the department of Civil Engineering in Faculty of Applied Sce... } | 475 |
| Capt. Adams, Chemical Apparatus | 10 |
| J. H. Burland, B.A. Sc., Chemical Apparatus | 25 |
| Mrs. Redpath, Storage battery.. | 400 |
| W. C. McDonald, Esq., fittings of upper Chemical Laboratory | 2075 |
| The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884 | 1500 |
| A. J. Lawson, a Dynamo. | |
| Benjamin Dawson, 3 Microscopes. | |

## VI. SUBSCRIPTIONS FOR SPECIAL OBJECTS.

### 1. FOR A BUILDING FOR THE CARPENTER COLLECTION OF SHELLS, 1868.

| | |
|---|---|
| Peter Redpath, Esq | $500 |
| William Molson, Esq | 500 |
| Harrison Stephen, Esq | 100 |
| Robert J. Reekie, Esq | 100 |
| John H. R Molson, Esq | 100 |
| Sir Wm. E. Logan, Esq., F.R.S. | 100 |
| John Molson, Esq | 100 |
| Thos. Workman, Esq., M.P | 100 |
| Geo. H. Frothingham, Esq | 100 |
| Wm. Dow, Esq | $100 |
| Thos. Rimmer, Esq | 100 |
| Andrew Robertson, Esq | 100 |
| Mrs. Redpath | 100 |
| Benaiah Gibb, Esq | 50 |
| Honorable John Rose | 50 |
| | $2,200 |

### 2. FOR THE ERECTION OF THE LODGE AND GATES.

| | |
|---|---|
| William Molson, Esq | $100 |
| John H. R. Molson, Esq | 100 |
| Willian Workman, Esq | 100 |
| Joseph Tiffin, jun., Esq | 100 |
| Thos. J. Claxton, Esq | 100 |
| James Linton, Esq | 100 |
| William McDougall, Esq | 100 |
| Charles J. Brydges, Esq | 100 |
| George A. Drummond, Esq | 100 |
| Thomas Rimmer, Esq | 100 |
| William Dow, Esq | 100 |
| John Frothingham, Esq | $100 |
| James A. Mathewson, Esq | 100 |
| Peter Redpath, Esq | 100 |
| G. H. Frothingham, Esq | 100 |
| G. D. Ferrier, Esq | 100 |
| Geo. W. Warner, Esq | 100 |
| John Smith, Esq | 100 |
| Charles Alexander, Esq | 100 |
| J. Evans, Esq | 100 |
| Henry Lyman, Esq | 100 |

### 3. FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84.

| | | | | | |
|---|---|---|---|---|---|
| Principal Dawson | $500 | per annum, for 5 years, being | | | $2500 |
| Hon. Sir D. A. Smith | 250 | " | " | " | 1250 |
| J. H. R. Molson, Esq | 100 | " | " | " | 500 |
| Mrs. J. H. R. Molson | 100 | " | " | " | 500 |
| G. Hague, Esq | 100 | " | " | " | 500 |
| Mrs. Redpath | 100 | " | " | " | 500 |
| Hugh McKay, Esq | 100 | " | " | " | 500 |
| Robert Moat, Esq | 100 | " | " | " | 500 |
| W. C. McDonald, Esq | 100 | " | " | " | 500 |
| Charles Gibb, Esq | 50 | " | " | " | 250 |
| Miss Orkney | 50 | " | " | " | 250 |
| Robert McKay, Esq | 50 | " | " | " | 250 |
| Mrs. Molson | 50 | " | " | " | 250 |
| Mrs. John Molson | 50 | " | " | " | 250 |
| John Stirling, Esq | 50 | " | " | " | 250 |
| Warden King, Esq | 50 | " | " | " | 250 |
| Miss Hall | 50 | " | " | " | 250 |
| Robert Angus, Esq | 50 | " | " | " | 250 |
| D. A. P. Watt, Esq | 50 | " | " | " | 250 |
| Hugh McLennan, Esq | 25 | " | " | " | 125 |
| Sir Joseph Hickson | 10 | " | " | " | 50 |
| Mrs. Phillips | 10 | | | | 10 |

### 4. SUBSCRIPTIONS TO BOTANIC GARDEN, 1890-91.

| | | | |
|---|---|---|---|
| Hugh McLennan, Esq | $100 | Jonathan Brown, Esq | $100 |
| Gilman Cheney, Esq | 100 | Jonathan Hodgson, Esq | 100 |
| James Johnston, Esq | 100 | Robert Mackay, Esq | 100 |
| James Slessor, Esq | 100 | H. Shorey, Esq | 50 |
| A friend, Esq | 100 | J. S. Shearer, Esq | 50 |
| Hugh Graham, Esq | 100 | Geo. Sumner, Esq | 25 |
| A. F. Gault, Esq | 100 | A. Ramsay & Co | 25 |
| W. T. Costigan, Esq | 100 | Garth & Co | 25 |

### 5. TO ERECT PLANT HOUSE IN BOTANIC GARDEN.

| | |
|---|---|
| Hon. Sir Donald A. Smith | $362 00 |
| John H. R. Molson, Esq | 361 51 |
| William C. McDonald, Esq | 361 02 |
| | $1084 53 |

### 6. IN AID OF THE CHAIR OF HEBREW.

| | | | | | |
|---|---|---|---|---|---|
| Warden King, Esq ..... in 1889 | $50 | per annum, 3 years, being | | | $150 |
| Principal Sir William Dawson. " | 50 | " | " | " | 150 |
| Hon. Hugh Mackay | 50 | " | " | " | 150 |
| A. F. Gault, Esq | 25 | " | " | " | 75 |
| Geo. Hague, Esq | 25 | " | " | " | 75 |
| T. A. Dawes, Esq | 25 | " | " | " | 75 |
| S. Carsley, Esq | 25 | " | " | " | 75 |
| S. Davis, Esq., in 1892 | | | | | 20 |
| Warden King, Esq., in 1892 | $50 | per annum, for 3 years | | | 150 |
| A. F. Gault, Esq | 50 | " | " | | 150 |
| Robert Mackay, Esq | 50 | " | " | | 150 |
| Hugh McLennan, Esq | 25 | " | " | | 75 |
| George Hague, Esq | 25 | " | " | | 75 |
| T. A. Dawes, Esq | 25 | " | " | | 75 |
| S. Carsley, Esq | | | | | 25 |
| J. Murphy, Esq | | | | | 25 |

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